



# CATALOGUE OF DOCTORAL DISSERTATIONS

1957-1982

PART II

EDITOR

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## FOREWORD

The present volume is a noteworthy publication containing a collection of nearly 5500 titles of dissertations, arranged by their academic divisions in alphabetical order. The process of compilation for the work was initiated in 1982 when the University celebrated its 125th anniversary and completion of the task involved seven years of strenuous efforts by a band of serious workers. The documents represent the important research activities in this great seat of learning during the years 1957-82.

The motto of Calcutta University is *advancement of learning*. Over the years, research has come to be regarded as an essential part of the programme of development in this centre. Through the impetus given to post-graduate studies and research, our University has been in the vanguard of educational progress. At present, there are nearly 400 scholars in seventy departments engaged in research in specialised fields of study in Arts, Science and Technology. They are motivated by a desire to acquire skill and a power of judgement in their chosen fields of investigation.

The work of research and collection of knowledge, however, is not an end in itself. The need of the hour is the diffusion of scientific method into the societal fabric at all levels. This can be achieved only by the promotion of what is called the scientific temper—a rational attitude, the importance of which has been emphasised by the competent authorities time and again. It is our fervent hope that Calcutta University will lead the way for ever more intensive efforts in inculcating a scientific outlook among our people in all walks of life.

The great bulk of research activities in Calcutta University receives scant attention from the public. The reason is not far to seek. In the last few decades the number of research publications by the University has dwindled sharply owing to paucity of funds. The situation is partly remedied by the present volume which, one hopes, would serve as a handbook and guide to researches undertaken in the various branches of learning in the University.

**Bhaskar Ray Chaudhuri**

*Vice-Chancellor,  
University of Calcutta.*

Calcutta  
November, 1989



## PREFACE

The Indian Universities Act of 1904 had enabled the Calcutta University to come out of its narrow groove of being a mere examining body and take upon itself a new role—that of a teaching institution. The task was achieved in a progressive manner and the consolidation of the University studies programme was completed in the course of several decades. Thanks to the inspiration and impetus given by Asutosh Mookerjee and a long line of gifted teachers, the University grew up as active centre of systematic research for expanding the frontiers of knowledge and earned universal recognition on that count.

The conduct of research in Arts, Science and Technology continues to be a consuming activity in the University of Calcutta. A steady output of original work emanates from a large body of able and devoted scholars. Every year the University confers an ever increasing number of research degrees on the strength of original dissertations submitted for adjudication. A list of recipients of research degrees from the University in both Arts and Science upto the year 1956 has already appeared in print in the *"Hundred years of the University of Calcutta"* (University of Calcutta : 1957).

The present volume covers the period from 1957 to 1982, thus updating the statistics by noting the dissertations which were awarded the doctoral degrees by this University during the quarter century. The collection will give an indication of the nature and extent of growth in research studies in the various post-graduate departments of the University during the period. It also includes the successful research works done at various other institutions such as the Indian Association for Cultivation of Science, the Bose Institute, the Saha Institute of Nuclear Physics, the Indian Institute of Chemical Biology and also of the affiliated colleges under the University. It will therefore help form a conspectus of the types and variety of research that goes on year after year in all the major disciplines in this centre of learning.

The idea of presenting a descriptive list of doctoral works was first mooted in 1982 when Professor R. K. Poddar, the then Vice-Chancellor, took the initiative and asked the undersigned to prepare a scheme for the purpose. It was proposed to publish the list as an integral part of the post-Centenary Silver Jubilee Celebration of the oldest University in the subcontinent. It has taken seven years from the inception of the scheme to produce this volume ; an explanation, therefore, becomes due. A work of this character and size demands careful planning. The work of classification and categorisation of nearly 5500 titles proved to be an exacting one. Each title also required to be checked and verified by competent hands at various levels to minimise errors. While Professor Poddar himself assumed the responsibility of formulating the outlines of the scheme of work, we found ungrudging assistance from many eminent teachers in different post-graduate departments for correcting the varied subjects. Much valuable time was spent in the procedure, but there was hardly any scope for avoiding it.





The collection of titles has been assembled through a simplified search strategy using appropriate keywords and a continuous number. The subjects are classified in alphabetical order and the research topics in each subject are arranged chronologically.

We are indebted to many faculty members of this University for their special advice and active co-operation in making the work fit for its avowed purpose. We are especially grateful to our Vice-Chancellor, Professor Bhaskar Raychaudhuri for kindly consenting to write the foreword. We take this opportunity to express our gratitude to Professor S. K. Bhattacharyya, Ex-Vice-Chancellor, Calcutta University for the encouragement received from him in preparing this volume. We have also been fortunate enough to receive encouragement and help from Professor D. K. Sinha, ex-Pro-Vice-Chancellor, Business Affairs and Finance. We express our gratefulness to Professor A. N. Daw of the Department of Physics and Electronics for correcting many misprints and slips in the manuscript. To Dr. S. P. Sarkar, ex-Secretary, Faculty council for Post-Graduate Studies in Science, Engineering and Technology, Calcutta University, we owe more than can be expressed in a few words. The publication of this piece has been made possible by his untiring efforts in checking all the inconsistencies in the manuscript. We would like to acknowledge the help given by the members of staff of the Ph. D. Section for preparing the manuscript ; Shri Krishnajibhan Bhattacharyya, Education Officer, Asutosh Museum of Indian Art, for undertaking proof-reading of the materials ; Sm. Smita Nandi and Sm. Smritikana Sen, Technical Assistants, and Sm. Indira Kundu, Junior Assistant in the Asutosh Museum for checking the data with personal zeal and devotion from the records in the Ph. D. Section. But for the concerted efforts of all concerned, it would not have been possible to bring the book to light. All our labours will be rewarded, if scholars find the product useful.

November, 1989  
Calcutta

**Niranjan Goswami**  
*Curator,*  
*Asutosh Museum of*  
*Indian Art, C.U.*

## LIST OF ABBREVIATIONS

### HONY—HONORARY DOCTORATE DEGREES

#### D—D.LAWS OR D.SC OR D.LIT

AGBO	— Agricultural Botany	CIVL	— Civil
AGCH	— Chemistry	CLHL	— Child Health
AGEC	— Economics	CLTL	— Chemical Technology
AGET	— Entomology	COMM	— Commerce
AGRI	— Agriculture	CPLN	— Comparative Philology and Linguistics
AGRO	— Agronomy	DERM	— Dermatology
AGSS	— Agricultural Chemistry and soil Science	ECON	— Economics
AIHC	— Ancient Indian History and Culture	EDUC	— Education
ANAE	— Anaesthesiology	ELEC	— Electrical
ANAT	— Anatomy	ENGL	— English
ANTH	— Anthropology	ENTO	— Entomology
APCH	— Applied Chemistry	EPID	— Epidemiology
APMT	— Applied Mathematics	EXSU	— Experimental Surgery
APPH	— Applied Physics	GENE	— Genetics
APPS	— Applied Psychology	GEOG	— Geography
ARAB	— Arabic	GEOL	— Geology
ARCH	— Archaeology	GERM	— German
ARTR	— Architecture	GNPB	— Genetics and Plant Breeding
BACT	— Bacteriology	HIND	— Hindi
BENG	— Bengali	HIST	— History
BIOC	— Biochemistry	HORT	— Horticulture
BIOP	— Biophysics	IMMU	— Immunology
BOTN	— Botany	ISHC	— Islamic History and Culture
CANC	— Cancerology	LAWS	— Laws.
CARD	— Cardiology	MAIT	— Maithili
CECT	— Chemical Engineering and Chemical Technology	MECH	— Mechanical
CHEM	— Chemistry	METL	— Metallurgical



MICR	— Microbiology	PLPH	— Plant Physiology
MING	— Mining	PLSC	— Political Science
MUSL	— Museology	PLSU	— Plastic Surgery
NEUR	— Neurology	PSMD	— Psychological Medicine
NUDT	— Nutrition and Dietics	PSYC	— Psychology
OBGY	— Obstetrics and Gynaecology	PUMT	— Pure Mathematics
OPHT	— Ophthalmology.	RADI	— Radiology
PALI	— Pali	RPEL	— Radiophysics and Electronics
PARA	— Parasitology	SANS	— Sanskrit
PATH	— Pathology	SLSC	— Soil Science
PBHL	— Public Health	STAT	— Statistics
PERS	— Persian	TUBR	— Tuberculosis
PHAR	— Pharmacology	URDU	— Urdu
PHHC	— Physics	ZOOL	— Zoology
PHLS	— Philosophy		
PHSL	— Physiology		

# **LIST OF RECIPIENTS OF HONORARY DOCTORATE DEGREES FOR THE PERIOD OF 1957-1982**

HDLW-57-01	: Sudhirranjan Das	HDLT-61-21	: Nirmalkumar Siddhanta
HDLW-57-02	: Atulchandra Gupta	HDLT-65-22	: Gopinath Kaviraj
HDLT-57-03	: Nandalal Basu	HDLT-67-23	: Satischandra Ghosh
HDLT-57-04	: Rajsekhar Basu	HDSC-68-24	: Nilratan Dhar
HDLT-57-05	: Zakir Husain	HDLT-69-25	: Rameschandra Majumdar
HDLT-57-06	: Vidhusekhar Bhattacharyya	HDLT-69-26	: Dilipkumar Ray
HDLT-57-07	: Jogendranath Bagchi	HDLT-69-27	: Radhagobinda Nath
HDLT-57-08	: Arnold Joseph Toynbee	HDLT-69-28	: Sunitikumar Chattopadhyay
HDSC-57-09	: Satyendranath Basu	HDSC-69-29	: Debendramohan Basu
HDSC-57-10	: Lloyd Viel Berkner	HDLT-70-30	: Srikumar Bandyopadhyay
HDSC-57-11	: Chintaman Dwarkanath Deshmukh	HDSC-70-31	: Priyadarajan Ray
HDSC-57-12	: Jnanendrachandra Ghosh	HDLW-71-32	: Durgadas Basu
HDSC-57-13	: Harold Spencer Jones	HDLW-72-33	: Abu Sayeed Chowdhury
HDSC-57-14	: Tosio Kitagawa	HDMD-72-34	: Sailendranath Sen
HDSC-57-15	: Kariamannikkam Srinivasa Krishnan	HDLW-73-35	: Prasantabihari Mukhopadhyay
HDSC-57-16	: Prasantachandra Mahalanabis	HDSC-74-36	: Hargobind Khorana
HDSC-57-17	: Arcot Lakshmanaswami Mudaliar	HDSC-75-37	: Jnanendranath Mukhopadhyay
HDSC-57-18	: Alexander Nekolavich Nesmeyanov	HDLT-76-38	: Sumitranandan Pant
HDSC-57-19	: John Robert Oppenheimer	HDSC-81-39	: Gopalchandra Bhattacharyya
HDSC-60-20	: Neils Henrik David Bohr	HDLT-82-40	: Janardan Chakrabarti
		HDSC-82-41	: Udupi Ramchandra Rao

HDLW — denotes Honorary Doctor of Law degree  
 HDLT — denotes Honorary Doctor of Literature degree  
 HDSC — denotes Honorary Doctor of Science degree  
 HDMD — denotes Honorary Doctor of Medicine degree



### Doctor of Laws

- DEBIPRASAD PAL : Compulsory Jurisdiction of the International Court of Justice. [ Laws-61-D 0001. ]
- SURESH CHANDRA SRIVASTAVA : Community regulation of instruments of economic coercion in labour management relations in India. [ Laws-81-D 0002. ]

### Doctor of Literature

- SM. BELA LAHIRI : Indigenous states of Northern India (circa 200 B.C. to 320 A.D.). [ Aihc-62-D 0003. ]
- AMARENDRANATH LAHIRI : Coins of the Greek Rulers of Bactria and India. [ Aihc-62-D 0004. ]
- SM. PUSHPA NIYOGI : Aspects of Buddhism in Ancient Bengal. [ Aihc-79-D 0005. ]
- HARIBISHNU SARKAR : An architectural survey of temples of Kerala. [ Aihc-81-D 0006. ]
- NIRUPAMKUMAR SYAMCHADHURI : The social structure of car-Nicobar Islands : An ethnic study of cognation. [ Anth-79-D 0007. ]
- KSHUDIRAM DAS : Rabindra Pratibhar Parichaya. [ Beng-62-D 0008. ]
- ASUTOSH DAS : Uttar Banger Prachin-tama Manasapuran-o-tahar Kabi. [ Beng-66-D 0009. ]
- BHABATOSH DATTA : Iswar Chandra Gupta rachita kavijivani. [ Beng-67-D 0010. ]
- SM. BASANTI CHAUDHURI : Banglar Vaisnava Samaj Sangit-o-Sahitya. [ Beng-69-D 0011. ]
- AJITKUMAR GHOSHARMAN : Sarat Chandrer Jibani-o-Sahitya Vichar. [ Beng-69-D 0012. ]

- SARAJMOHAN MITRA : Manik Bandyopadhyayer Jiban-o-Sahitya. [ Beng-71-D 0013. ]
- BIRENDRANATH BISWAS : Rabindra-Sabdakosh. [ Beng-72-D 0014. ]
- TARAPADA BHATTACHARYYA : Chhandata-tva-o-Chandavivartana. [ Beng-73-D 0015. ]
- SYAMSUNDAR BANDYOPADHYAY : Sarat Chandrer Chintajagat-o-tahar Sahitya. [ Beng-73-D 0016. ]
- PRANABRANJAN GHOSH : Vivekananda-o-Bangla Sahitya. [ Beng-73-D 0017. ]
- NARESCHANDRA JANA : Hala Sankalita Gaha-Sattasai-o-Vaisnava-Padavali. [ Beng-74-D 0018. ]
- SM. MINATI SOM (MRS. DAS) : Banga Sanskriti-o-Debisadhana. [ Beng-74-D 0019 ]
- SUSILKUMAR GUPTA : Gadya Kabita-o-Tar Vivartana : Rabindranath-o-Tnar uttara-suribrinda. [ Beng-75-D 0020. ]
- HARANATH PAL : Kavi Mohitlal. [ Beng-75-D 0021. ]
- MD. OSMAN GHANI : Islam and Rabindranath. [ Beng-75-D 0022. ]
- DEBIDAS BHATTACHARYYA : Vaisnav Padabali Sahityar Pschatpat-o-utsa. [ Beng-75-D 0023. ]
- SURESCHANDRA MAITRA : Michael Madhusudan Datta : Jiban-o-Sahitya. [ Beng-76-D 0024. ]
- PRANAYKUMAR KUNDU : Meghnadbadh Kavya : Satabarsher Samikshya. [ Beng-77-D 0025. ]
- SUNILKUMAR CHATTOPADHYAY : Bibhuti-bhushaner Aprakasita Dinalipi. [ Beng-77-D 0026. ]
- MANOMOHAN DATTA : Kumarsambhav-Kavya-o-Kabi. [ Beng-78-D 0027. ]





- SATYAJIT CHAUDHURI : Abanindra-Nandan-tattva. [ Beng-79-D-0028. ]
- BISHNUPADA PANDA : Madhyajugiya Bangla Kabya Urissyar Kabider Abadan. [ Beng-79-D-0029. ]
- BIMALKUMAR MUKHOPADHYAY : Sahitya-Tattwa Samiksha. [ Beng-80-D-0030 ]
- JAGANNATH CHAKRABARTI : Meghnadbadh Kabye Chitrakalpa. [ Beng-80-D-0031. ]
- VAKIL AHMED : Bangla Mussalmaner Sahitya Rachanay Samakalin Chintar Swarup (1857-1905). [ Beng-80-D-0032 ]
- NIRMALENDU BHAUMIC : Bangla Chhander Bhumika. [ Beng-81-D-0033. ]
- PRABHATKUMAR GOSWAMI : Satabdir aitihasik Natak. [ Beng-81-D-0034. ]
- BIJITKUMAR DATTA : Prachin Bangla Maithili Natak. [ Beng-82-D-0035. ]
- TUSHARRANJAN CHAKRABORTY : Loksanskritir tattwarup-o-Swarupsandhan. [ Beng-82-D-0036. ]
- ANILKUMAR MUKHOPADHYAY : The logic revealed preference. [ Comm-68-D-0037. ]
- ARUNENDU DASGUPTA : Business and Management in India. [ Comm-75-D-0038. ]
- CHITTARANJAN BASU : Central Banking in a planned economy : The Indian experiment. [ Comm-78-D-0039. ]
- BARINDRAKUMAR BASU : An insight-into auditing a multidimensional approach. [ Comm-82-D-0040. ]
- K. MAHADEVA SASTRI : Historical grammer of Telegu with special reference to old Telegu. [ Cpln-61-D-0041. ]
- PARESCHANDRA MAJUMDAR : A historical phonology of oriya. [ Cpln-80-D-0042. ]
- SUDHANSUSEKHAR TUNGA : Bengali and other dialects of the district of Cachar : A comparative and descriptive study. [ Cpln-81-D-0043. ]
- SUKUMAR BISWAS : Morpho-phonemic analysis of the Assamese and Bengalee Verbals. [ Cpln-82-D-0044. ]
- GAUTAM SARKAR : World Tea Economy. [ Econ-74-D-0045. ]
- SUDHANSUBHUSHAN MUKHOPADHYAY : Reconstruction of age composition for the states and territories of India, 1881-1961. [ Econ-78-D-0046. ]
- BAUDHAYANA CHATTOPADHYAY : Water Cereals and Economic growth in South and East Asia. [ Econ-78-D-0047. ]
- GOBINDANARAYAN CHATTOPADHYAY : Some studies in discrimination between teachers and non-teachers of similar job status in terms of identification with significant childhood authority figures. [ Educ-67-D-0048. ]
- RAMENDRAKUMAR SEN : Philosophical and Physiological background of Aesthetic enjoyment. [ Engl-61-D-0049. ]
- SAILENDRAKUMAR SEN : English literary criticism in the second half of the eighteenth century—a re-consideration of its nature and its place in the history of English Criticism. [ Engl-62-D-0050. ]
- BHABOTOSH CHATTOPADHYAY : John Keats : His mind and works. [ Engl-76-D-0051. ]
- BIRESWAR BANDYOPADHYAY : Agriculture in West Bengal—a geographical analysis. [ Geog-61-D-0052. ]
- MANORANJAN CHAUDHURI : The Iron and Steel industry of India—a study in economic geography. [ Geog-67-D-0053. ]
- PRANABENDRANATH GHOSH : Johnn Gattfried Herder's image of India. [ Germ-77-D-0054. ]
- SM PRATIBHA AGARWAL : Hindi Bhasa men Vyavahrit Muhavaron Ka Bhasha-raigyanik Alochanatmak Evam Tulanatmak Adhyayan. [ Hind-75-D-0055. ]
- NILMANI MUKHOPADHYAY : The Port of Calcutta—a short history. [ Hist-70-D-0056. ]
- SAILENDRANATH SEN : Anglo—Maratha Relations, 1785-1796. [ Hist-70-D-0057. ]
- HIRALAL CHATTOPADHYAY : Studies in the





- foreign relations of early Indian states.  
[ Hist-75-D 0058. ]
- RAMAKANTA CHAKRABARTI : Vaisnavism in Bengal : 1486-1900. [ Hist-82-D 0059. ]
- SOMENDRACHANDRA NANDI : Life and times of Cantoo baboo, the banian of Warren Hastings. [ Hist-82-D 0060. ]
- SM. ILA RANI SINGH : Maithili Lokagita me Samaj Chitrana. [ Mait-72-D 0061. ]
- PRABODH NARAYAN SINGH : Vaijnanika Paripreksya me Rasa-Siddhanta.  
[ Mait-72-D 0062. ]
- HARINDRACHANDRA PAL : Jalaluddin Rusni and his Tasawwuf.  
[ Pers-60-D 0063. ]
- KALYANCHANDRA GUPTA : Monism—a critical survey. [ Phls-60-D 0064. ]
- JATILKUMAR MUKHOPADHYAY : Illusion and its correction—a comparative and critical study of Indian theories.  
[ Phls-62-D 0065. ]
- SUDHINDRACHANDRA CHAKRABORTI : The evolution of democracy in India.  
[ Phls-64-D 0066. ]
- PRASADKUMAR MAITI : Nyaya concept of self. [ Phls-67-D 0067. ]
- MRINALKANTI GANGOPADHYAY : Vinitadeva's Nyayabindu-Tika : text reconstructed from Tibetan into Sanskrit with English translation and annotations. [ Phls-75-D 0068. ]
- DEBIPRASAD CHATTOPADHYAY : Science and Society in Ancient India.  
[ Phls-79-D 0069. ]
- NIRMALKUMAR PANIGRAHI : Advaitavedante Pratikarmavyavastha.  
[ Phls-80-D 0070. ]
- SARADINDU BANDYOPADHYAY : Psycho-analytic view of mind.  
[ Phls-82-D 0071. ]
- SACHINDRANATH DATTA : The evolution of democracy in India. [ Plsc-64-D 0072. ]
- SUBIMALKUMAR MUKHOPADHYAY : A new outlook for International Law.  
[ Plsc-66-D 0073. ]
- BUDDHADEV BHATTACHARYYA : Evolution of the Political Philosophy of Mahatma Gandhi. [ Plsc-66-D 0074. ]
- MADHU MANGAL SINGH : Justice by Tribunals : A study with reference to India.  
[ Plsc-71-D 0075. ]
- SOBHANLAL MUKHOPADHYAY : International rivers, their politics, Law and sociology.  
[ Plsc-75-D 0076. ]
- ARUNKUMAR BANDYOPADHYAY : Problem of national integration in Malaya with special reference to the citizenship system between Mahayam Union and Merdeka.  
[ Plsc-77-D 0077. ]
- SM. BELA DATTAGUPTA : Investigation de Recherches anblie les. A sociohistorical study of the rise of sociology in India in the nineteenth century with reference to Bengal. [ Plsc-78-D 0078. ]
- SUBHAYU DASGUPTA : Hindu Ethos and Challenge. [ Plsc-81-D 0079. ]
- DEBESCHANDRA RAYCHAUDHURI : Sociology of Public Administration with special reference to India. [ Plsc-81-D 0080. ]
- SM. PARUL CHAKRABARTI : Strikes and Moral in Industry. [ Psyc-72-D 0081. ]
- BHABATOSH BHATTACHARYYA : The critical edition with English introduction and index of the Danasagara of Ballal Sen.  
[ Sans-60-D 0082. ]
- DINESCHANDRA GUHA : Some basic theories and techniques of the Navya Nyaya System of Logic. [ Sans-63-D 0083. ]
- AMIYAKUMAR CHAKRABARTI : A critical and comparative study of Mahimabhatta's Vyaktiviveka. [ Sans-64-D 0084. ]
- SM. SABITA MISRA : Navyanyaye Anumiti :  
[ Sans-65-D 0085. ]
- NANILAL SEN : A critique of the theories of Viparyaya. [ Sans-66-D 0086. ]
- MUKUNDA MADHAB SARMA : Vyanjana-prapancasamiksa (a critique on the domain of Vyanjana).  
[ Sans-70-D 0087. ]
- BISWANATH BHATTACHARYYA : Asvaghosa :





A critical study of his authentic kavyas and the Apocryphal works with special reference to his contributions to the classical Sanskrit Literature and his doctrinal stand point as a Buddhist.

[ Sans-70-D 0088. ]

SM. MINATI MALLIK : Bharatiya Darsana-sastra Jivatattvavimarsa.

[ Sans-71-D 0089. ]

BHUPENDRANATH BHATTACHARYYA : Theism in Sankhya System.

[ Sans-77-D 0090. ]

ABDUR RAUF : Mir Baquir Mukhlis Murshidabadi—A critical study of his life, times, poetry and compilation of the manuscript of his diwan.

[ Urdu-76-D 0091. ]

### Doctor of Science

RATHINDRANARAYAN BASU : Auxin-Synergists in the regeneration of adventitious roots.

[ Agri-73-D 0092. ]

SAKTI PRASAD DHUA : Agronomical Studies on the relative efficiencies of Citrate and Water soluble straight and complex Phosphatic fertilisers under the agro-chinatic conditions of Eastern India.

[ Agro-75-D 0093. ]

AMULYAKUMAR SAHA : Theory of shoulder mechanism-descriptive and applied.

[ Anat-68-D 0094. ]

PRABODHKUMAR BHAUMICK : Socio-cultural profile of frontier Bengal.

[ Anth-67-D 0095. ]

AMITABHA BASU : The Pahira : A study in population genetics.

[ Anth-69-D 0096. ]

PRANAB GANGOPADHYAY : Somatic variability in North Indian Brahmans and Muslims in relation to Urbanization and Economic Status.

[ Anth-73-D 0097. ]

BHUBANMOHAN DAS : Studies on (1) variation in Physical characteristics in the Khasi Population of Assam (2) Anthro-

pometry and the ABO Blood groups of the tribal populations of Assam and (3) head hair from some caucasoid and Mongoloid Populations of Assam, India.

[ Anth-73-D 0098. ]

ASOKKUMAR GHOSH : Man and Cultures in Palaeolithic India.

[ Anth-76-D 0099. ]

PRATAPCHANDRA DATTA : The Harappans : A bioanthropological study of the Skeletons discovered at Harappa.

[ Anth-76-D 0100. ]

ASITBARAN DASCHAUDHURI : A study on genetics of quantitative of human head hair.

[ Anth-82-D 0101. ]

AMALKUMAR GHOSH : Studies in wheat B-amylase.

[ Apch-59-D 0102. ]

SAROJKUMAR CHATTOPADHYAY : Studies on ceramic raw materials.

[ Apch-60-D 0103. ]

SAROJKANTI MAJUMDAR : Studies on Mycobacillin, a new antifungal antibiotic from bacilliers subtilis.

[ Apch-60-D 0104. ]

INDUBHUSHAN CHATTOPADHYAY : Studies on the Biosynthesis of -ascorbic acid.

[ Apch-60-D 0105. ]

KSHIRODRANJAN BHATTACHARYYA : Studies on sakaguchi reaction.

[ Apch-63-D 0106. ]

DWARIKANATH DAS : Industrial and nutritional aspects of Tea.

[ Apch-65-D 0107. ]

GORACHAND CHATTOPADHYAY : Studies in bacterial phospholipase.

[ Apch-65-D 0108. ]

JAGATJIBAN GHOSH : Action of some phenothiazine group of drugs in relation to brain ribonucleoproteins.

[ Apch-65-D 0109. ]

MAHADEB ADHIKARI : Studies on the electrochemistry of mineral membranes.

[ Apch-66-D 0110. ]

AMALENDU PAL : Redox reactions in glass.

[ Apch-68-D 0111. ]

B. T. RAMANUJA IYENGAR : Chemical and





- Biochemical studies on fish oils.  
[ Apch-68-D 0112. ]
- MANMOHAN RAY : Studies on the Constitution, properties and reaction of high sulphur Indian Coals and their macerals.  
[ Apch-71-D-0113. ]
- MIHIRKUMAR KUNDU : Studies on some unusual lipid components of seed fats and development of micromethods for their examination.  
[ Apch-72-D 0114. ]
- HRISHIKESCHANDRA RAY : Studies on Indian Clays.  
[ Apch-77-D 0115. ]
- SUSILCHANDRA DASGUPTA : On elastic waves connected with some problems of seismology.  
[ Apmt-59-D 0116. ]
- GUNADHAR PARIA : Some problems of elastically deformable solids.  
[ Apmt-63-D 0117. ]
- ARUNKUMAR CHAUDHURI : On certain aspects of optimum control problems.  
[ Apmt-67-D 0118. ]
- SUJITKUMAR BASU : Mathematical theory of elasticity.  
[ Apmt-71-D 0119. ]
- SUDHANSUKUMAR GHOSHAL : On some problems of non-isothermal viscous flow theory and waves.  
[ Apmt-73-D 0120. ]
- MOHANLAL GHOSH : On Propagation of Waves in elastic solid and liquid media.  
[ Apmt-76-D 0121. ]
- DIPANKAR RAY : Non-Linear differential equations in general relativity and other systems and some Kinematical study in Kinetic theory.  
[ Apmt-81-D 0122. ]
- JAJNESWAR DAS : Studies on pulse slope modulation a new T.D.M. system and some topics in Telecommunications.  
[ Apch-62-D 0123. ]
- GIRIJABHUSAN MITRA : X-ray study of deformed metals and some allied problems.  
[ Apch-67-D 0124. ]
- SAUMITRAKUMAR SEN : Genetic organisation and recombination in Eukaryotes.  
[ Agbo-71-D 0125. ]
- GANES KARMAKAR : Studies on carotenoids and vitamin A. [ Bioc-57-D 0126. ]
- NIRMAL SEN : Interrelationship of long chain fatty acids in higher animals.  
[ Bioc-64-D 0127. ]
- ARUNBARAN BANDYOPADHYAY : Biosynthesis of mycobacillin in bacillus subtilis.  
[ Bioc-67-D 0128. ]
- AMIYAKANTI DHAR : Studies on versicollin, a new antifungal antibiotic from *Aspergillus versicolor*. [ Bioc-69-D 0129. ]
- DHIRENDRALAL NANDI : Studies in an aminolevulinic acid dehydratase of *Rhodospirillum rubrum* : its allosteric characteristics, association-dissociation and mechanism of action.  
[ Bioc-69-D 0130. ]
- HIRENDRAKUMAR DAS : Some aspects of protein biosynthesis in *Escherichia coli*.  
[ Bioc-70-D 0131. ]
- NIRMALCHANDRA KAR : Isoenzyme studies in human muscular Dystrophy.  
[ Bioc-70-D 0132. ]
- MRINALKANTI MAJUMDAR : Studies on the biosynthesis of neomycin.  
[ Bioc-70-D 0133. ]
- AMIYAKUMAR BANDYOPADHYAY : A study of the phage QB RNA.  
[ Bioc-70-D 0134. ]
- ASRUKUMAR SINHA : Biochemical studies on the Pyrimidine resistant mutant of *Staphylococcus aureus*.  
[ Bioc-70-D 0135. ]
- SM. SUBHA SEN : Study of a renin inhibitor : Its nature and physiological role.  
[ Bioc-70-D 0136. ]
- DEBAJITKUMAR BISWAS : Regulation of Biosynthesis of Aspartate family of Amino Acids in *Escherichia Coli*.  
[ Bioc-71-D 0137. ]
- ARABINDA RAY : Biochemical studies of *Escherichia Coli* infected with bacteriophage M/3. [ Bioc-72-D 0138. ]
- SM. MAHARANI CHAKRABARTI (MRS. BURMA) : Regulation of Metabolism in





## Unicellular Organisms.

- [ Bioc-73-D 0139. ]  
 SUBHABRATA SENGUPTA : Biosynthetic studies on myco bacillin a cyclic peptide. [ Bioc-73-D 0140. ]  
 SM. MANJU DATTA (MRS. BASU) : Study of the Biosynthesis of a Blood Group B specific Glycosphingolipid. [ Bioc-74-D 0141. ]  
 PRASANTAKUMAR RAY : Antigenicity and Immunogenicity of Neuraminidase treated cells. [ Bioc-74-D 0142. ]  
 SALILKUMAR DAS : Paleobiochemical studies of Fossils in relation to lipids and Amino acids. [ Bioc-74-D 0143. ]  
 RANAJITKUMAR DATTA : Molecular basis of the action of Mescaline on the structural and functional properties of Brain-Cortex ribosomes. [ Bioc-75-D 0144. ]  
 PRABIRKUMAR MAJUMDAR : Studies on Ascorbic acid metabolism in Animals. [ Bioc-75-D 0145. ]  
 SUBHASHCHANDRA BASU : Studies on the bio-synthesis of neutral and acidic glycosphingolipids in encaryotic cells. [ Bioc-76-D 0146. ]  
 ASIS DATTA : Biochemical studies on Bacteriophage PM 2. [ Bioc-76-D 0147 ]  
 UMADAS MAITRA : Studies on R.N.A. Polymerase of Escherichia Coli. [ Bioc-77-D 0148. ]  
 MRINALKANTI PODDAR : Delta-I Tetrahydro Cannabinol and Brain Ribosomes. [ Bioc-78-D 0149. ]  
 BASUDEB PAL : Effect of Potassium on Nitrogen Metabolism (with special reference to Urea Production. [ Bioc-80-D 0150. ]  
 SAROJKANTI DAS : Lipids and Lipolytic enzymes of Trichophyton Rubrum. [ Bioc-80-D 0151. ]  
 SM. INDIRA SEN : (MRS. CHAKRABARTI) : Action of Cannabis on the reproductive system of rats. [ Bioc-80-D 0152. ]  
 PATAKICHARAN BANDYOPADHYAY : Structure—Activity relationship of Micobacillin a cyclic Peptide Antibiotic. [ Bioc-81-D 0153. ]  
 DIPAKKUMAR DUBE : Studies on Encaryotic D.N.A. Polymerases (with special reference to the fidelity of D.N.A. Synthesis). [ Bioc-81-D 0154. ]  
 SM. ARCHANA SHARMA : Structure and behaviour of chromosomes in plants with special reference to their role in speciation differentiation and alteration through chemical treatment. [ Botn-60-D 0155. ]  
 SUBIR SEN : Cytological and anatomical investigations on some of the families of the order centrospermae. [ Botn-61-D 0156. ]  
 RABINDRAKRISHNA BASU : Cytogenetic effects of X-rays and radioactive isotopes on Jute and an analysis on induced mutations. [ Botn-62-D 0157. ]  
 BHUPENDRANATH GHOSH : Physiological and agronomical studies on rice with special reference to the agricultural problems of India. [ Botn-63-D 0158 ]  
 HIRENDRACHANDRA GANGOPADHYAY : The nemats louteae and the haptolepidiae in Eastern India. [ Botn-65-D 0159. ]  
 NRIPENDRAKUMAR BHATTACHARYYA : Critical chromosome studies on several families of angiosperms as an aid in tracing their affinities and evolution and an assessment and invention of methods for this investigation. [ Botn-70-D 0160. ]  
 AMIYAKUMAR SARKAR : The Study of structure and behaviour of chromosome and their susceptibility to physical and chemical Agents. [ Botn-72-D 0161. ]  
 SANTOSHKUMAR SARKAR : Cytogenetics and Cytotaxonomy of palmae including an investigation on the effect of chemicals on Chromosomes. [ Botn-73-D 0162. ]  
 KALYANBANDHU DATTA : Chromosome study as an aid in delineating the phylogeny and affinity of different angiospermous taxa and an assessment of the



- Cytotaxonomic data of the dicotyledons as a whole. [ Botn-73-D 0163. ]
- SM. SUMITRA SEN : Cytotaxonomy of Certain Angio Spermous families of debated taxonomic status with special reference to Liliaceae and chromosome dynamicity in relation of speciation and differentiation. [ Botn-73-D-0164. ]
- SM. ANJALI SARKAR (MRS. RAY) : Studies on the Anatomy of some members of Polyporaceae. [ Botn-73-D 0165. ]
- GOLAKENDRANATH BHATTACHARYYA : Investigations on (1) the study of structure and behaviour of Chromosome as an aid in the interpretation of Phylogery affinities and evolution with special reference to the family Araceae and (2) the effects of antibiotics and plant Pigments on Chromosomes and division of cells. [ Botn-73-D 0166. ]
- SIBDAS GHOSH : Studies on some aspects of the Nucleolus. [ Botn-73-D 0167. ]
- RATIKANTA MAITI : Histomorphological studies of some long fibre crops in relation to yield and quality. [ Botn-74-D 0168. ]
- DEBENDRABIJAY DEB : The Flora of Tripura State. [ Botn-75-D 0169. ]
- N. CHANDRASEKHARAN NAIR : Studies on Morphology of Angiosperms and Indian Flora. [ Botn-77-D 0170. ]
- KANTILAL CHAUDHURI : Studies on a few species of Ascomycelous fungi. [ Botn-77-D 0171. ]
- SANTOSHRANJAN DAS : Contribution to the advancement of knowledge of Endogenous and Exogenous Amoebiasis. [ Botn-79-D 0172. ]
- ASOKKUMAR CHATTOPADHYAY : Studies on chromosome structure and Behaviour in different plant as an aid to Phylogeny. [ Botn-81-D 0173. ]
- SUKUMAR BASU : Studies on the active principle of Apocynaceous plants. [ Chem-57-D 0174. ]
- ANILKUMAR BHATTACHARYYA : Studies on the active principles of kopsia pruticosa, kopsia Albiflora and skimmia laurcola. [ Chem-57-D 0175. ]
- BHUPATIKUMAR BANDYOPADHYAY : Studies on glass. [ Chem-58-D 0176. ]
- MIHIRNATH DAS : Studies in non-aqueous acid base titration. [ Chem-59-D 0177. ]
- JYOTIRMAY RAY : Synthesis in polycyclic systems. [ Chem-60-D 0178. ]
- APURBAKUMAR SENGUPTA : Contributions to the chemistry of Beryllium and vanadium. [ Chem-61-D 0179. ]
- SM. BANI CHAUDHURI : Studies on reaction mechanism and on some plast products occurring in the family rutaceae. [ Chem-63-D 0180. ]
- DHANANJAY NASIPURI : Synthetic studies in polylytic systems. [ Chem-64-D 0181. ]
- LAKSHMINARAYAN MANDAL : Biochemistry of water logged rice soils. [ Chem-64-D 0182. ]
- PARITOSHMOHAN CHAKRABORTI : Synthesis in the Brazibin and haematoxylin series. [ Chem-65-D 0183. ]
- DEBABRATA SEN : Metal complexes of Bignamide. [ Chem-65-D 0184. ]
- BIJANKUMAR SEN : Chemistry of Phenium in lower oxidation states. [ Chem-65-D 0185. ]
- C. V. NARAYAN RAO : Studies on Polysaccharides. [ Chem-68-D 0186. ]
- DEBIPRASAD CHAKRABORTI : Studies on naturally occurring heterocyclic compounds. [ Chem-68-D 0187. ]
- MUKULCHANDRA CHAKRABORTI : Studies on Oxo complexes of pentavalent Rheniuses. [ Chem-68-D 0188. ]
- DEBABRATA BANDYOPADHYAY : Studies on the kinetics and mechanisms of reactions of some complexes of cobalt (iii) and chromium (iii). [ Chem-68-D 0189. ]
- PRAMODRANJAN DASGUPTA : Precorticotro-



- phin—a precursor of Adreno-corticotrophic Hormone (ACTH).  
[ Chem-69-D 0190. ]
- SUJITCHANRDA LAHIRI : Studies on the dissociation Constants of the Ligands and their complexes in Aqueous and mixed solvents. [ Chem-72-D 0191. ]
- DIPTIKUMAR CHATTERAJ, Gibbs Equation for the Adsorption of Organic Ions.  
[ Chem-72-D 0192. ]
- SAILENDRANATH PODDAR : Investigations on the Co-ordination Complexes of some transitional methods.  
[ Chem-72-D 0193. ]
- HARENDRAKUMAR SAHA : Chemistry of Oxometal ions [Chem-73-D 0194. ]
- PRANAYKUMAR CHATTOPADHYAY : Thermal and Chemical Reactions of Cellulose Fibers. [ Chem-74-D 0195. ]
- SM. SUBHA RAKSHIT : Studies on Nitroso Complexes of Rhenium.  
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- SATYAPRIYA MAULIK : Flow Behaviours with reference to Electro-filtration and conductance. [ Chem-76-D 0197. ]
- MUKUL BISWAS : Studies on Vinyl Polymerisation. [ Chem-76-D 0198. ]
- SUBHENDUNARAYAN GANGOPADHYAY : Phytochemical studies of Indian Plants.  
[ Chem-79-D 0199. ]
- SAMARKUMAR KUNDU : Studies on Glycosphingolipid structure and Organic Molecules of Potential Interest.  
[ Chem-80-D 0200. ]
- UTPAL SEN : Electrolyte behaviours in solution with reference to ion solvent interaction. [ Chem-82-D 0201. ]
- ABANIBHUSHAN SANNIGRAHI : Theoretical studies of electronic structure and spectra of molecules by semi-empirical and abinitio method and didactical treatment of some basic quantum mechanical problems. [ Chem-82-D 0202. ]
- ALY HEIDER ABOU GAREEB : The problems of endemic cholera with special reference to the Calcutta city.  
[ Epid-61-D 0203. ]
- BINODBEHARI RAY : Experimental surgical studies on some neuroendocrinological problems. [ Exsu-66-D 0204. ]
- DILIPKUMAR MISRA : Central nervous system and Adrenocortical function.  
[ Exsu-71-D 0205. ]
- PRABHATKUMAR SEN : The hydro-geomorphological analysis of the Bhagirathi Hooghly and Damodar Interfluvium—the Problems and Practices of Water Utilisation. [ Geog-80-D 0206. ]
- KSHITINDRAMOHAN NATH : Metamorphism in relations to stratigraphy, structure and movements in parts of Eastern Singhbhum. [ Geol-59-D 0207. ]
- ANILBHUSHAN DATTA : The geology and coal resources of the Bokaro coalfield.  
[ Geol-60-D 0208. ]
- BUDDHADEB BISWAS : Geology of Bengal Basin with special reference to stratigraphy and micropaleontology.  
[ Geol-63-D 0209. ]
- SUPRIYA RAY : Mineralogy paragenesis and genesis of the important metamorphic manganese ore deposits (and associated manganese silicate rocks) of India and their Mineralogenetic trend in different grades of regional metamorphism.  
[ Geol-63-D 0210. ]
- SUPRIYAMOHAN SENGUPTA : Studies on Gondwana Sedimentation around Bhauram Pranhita, Godavari Valley and on the sub-surface geology of the gangetic plains and West Bengal.  
[ Geol-57-D 0211. ]
- SUBHENDUKUMAR BAKSI : Stratigraphy of the coastal Gondwana and post Gondwana rocks near Ellore (Eluru) West Godavari District, Andhra Pradesh with special reference to the Raghavapuram Mudstone. [ Geol-69-D 0212. ]
- CHITTARANJAN BHATTACHARYYA : Migration in Relation to Evolution of



- the Chamockrite series and associated Rocks from the Eastern Ghats of Sri-kakulam District, Andhra Pradesh, India with a study of legous and Metamorphic Orthopyroxenes. [Geol-72-D 0213.]
- SUBHRANSUKANTI ACHARYYA : Stratigraphy and structure of the frontal zone of Darjeeling Western Duars area, Eastern Himalayas with special reference to the Gondwana sediments. [Geol-76-D 0214.]
- SANJIBKUMAR BISWAS : Stratigraphic and structural evolution of Mesozoic sediments of Kutch, Western India. [Geol-79-D 0215.]
- TAPASKUMAR MALLIK : Recent sediments from some selected offshore areas of the Indian Subcontinent and Lakshadweep with particular emphasis on mineral distribution pattern, mineral resources and their exploration. [Geol-81-D 0216.]
- DINESCHANDRA BISWAS : Investigation on the Raman spectra and fluorescence spectra of organic compounds. [Phsc-58-D 0217.]
- AMALKUMAR RAYCHAUDHURI : Problems in relativistic cosmology and general theory of relativity with two papers in the quantum theory of the solid state. [Phsc-60-D 0218.]
- BRAJENDRAKISOR BANDYOPADHYAY : Propagation of electromagnetic waves in the Ionosphere. [Phsc-60-D 0219.]
- GAURANGASUNDAR KASTHA : Investigations on the influence of intermolecular field on Raman spectra and the structure of resonance radiation of some elements transmitted by their vapours. [Phsc-61-D 0220.]
- JNANENDRACHANDRA MAITRA : A new method of studying the scattering of X-rays at extremely small angles : its application in the investigation of cold worked metals and alloys. [Phsc-61-D 0221.]
- SUDHANSUMOHAN DATTAMAJUMDAR : A few problems in general relativity and molecular quantum mechanics. [Phsc-62-D 0222.]
- ANADIJIBAN DAS : On some problems in general relativity and quantum field theory. [Phsc-64-D 0223.]
- NRIPENDRAKISOR CHAUDHURI : Absorption and fluorescence spectra of some aromatic crystals. [Phsc-65-D 0224.]
- ANANDAMOHAN GHOSH : Studies on the interactions of gamma radiations with matter. [Phsc-66-D 0225.]
- MANASKUMAR CHAUDHURI : The electronic absorption and luminescence spectra of some aromatic single crystals—both pure and mixed. [Phsc-73-D 0226.]
- PRIYANSU SENGUPTA : Mathematical theory of pulsating Universe in general theory of relativity. [Phsc-73-D 0227.]
- NAKULCHANDRA DAS : Nuclear properties from High Energy Cosmic Ray interactions in Condensed Matter. [Phsc-73-D 0228.]
- SIDDHARTHA RAY : X-Ray crystallographic study of some Hexa-hydrated Fluosilicates and their Phase Transition at Low Temperature. [Phsc-74-D 0229.]
- MANUJENDRALAL CHAUDHURI : Alpha Radioactivity. [Phsc-75-D 0230.]
- UTPAKUMAR DE : Some problems on Electromagnetic Fields in General Relativity. [Phsc-76-D 0231.]
- PRABHAS RAYCHAUDHURI : Neutrino Emission and its Astrophysical Implications. [Phsc-77-D 0232.]
- DEBAPRASAD BHATTACHARYYA : Sea level muon spectra near equator at different zenith angles and their primaries. [Phsc-77-D 0233.]
- SUNIL PALCHAUDHURI : Studies on the molecular basis of F-incompatibility in E. Coli. [Phsc-79-D 0234.]



- KESHAV NARAIN SHRIVASTAVA : Some effects in Magnetism—the interaction of radiation with magnetically ordered materials : the coupling of lattice vibrations with Paramagnetic impurity and with exchange-coupled ion pairs.  
[Phsc-80-D 0235.]
- BIJAYKRISHNA CHAUDHURI : Study of Phase transitions in some crystals.  
[Phsc-81-D 0236.]
- SK. NOOR MOHAMMAD : New development in Physico-chemical and photo-physical phenomena in solids and molecules.  
[Phsc-82-D 0237.]
- JYOTIRMAY DAS : Replication of a single-standard DNA mycoplasma virus.  
[Phsc-82-D 0238.]
- DEBATOSH MAJUMDAR : Studies on some characteristics of a low pressure argon filled spark chamber and its response to ionization.  
[Phsc-82-D 0239.]
- BINODBEHARI RAY : Adreno-cortical response in some surgical experimental conditions.  
[Phsl-60-D 0240.]
- RABINDRANATH SEN : Studies on some aspects of energy metabolism in Indians.  
[Phsl-61-D 0241.]
- BIJANKUMAR GHOSH : Studies on the action of some drugs and lytic agents on leptomonad form *Leishmania donovani* (in relation to the action of nystatin).  
[Phsl-63-D 0242.]
- SM. MANJU MUKHOPADHYAY : The content and kinetic of cations in different types of skeletal muscles of frogs.  
[Phsl-64-D 0243.]
- SACHIMOHAN MUKHOPADHYAY : Cholera studies, Part I Cholera bacteriophage studies, Part II Epidemiological studies, Part III Cholera immunological studies.  
[Phsl-65-D 0244.]
- PRADYOTKUMAR DE : Growth physiology of malignant cells.  
[Phsl-68-D 0245.]
- MRITYUNJAY MUKHOPADHYAY : Some contribution to staining methods, histo-chemistry of adrenaline noradrenaline, unsaturated lipid and reticulum.  
[Phsl-68-D 0246.]
- SM. JAYASRI RAYCHAUDHURI : Ergastoplasm and ribosome in human cancer cell biology.  
[Phsl-68-D 0247.]
- BHUPENDRANATH CHAUDHURI : Influence of thyroid on glucose and lipid metabolism with special reference to the metabolism of glucose-u-14c and palmitate-1-14c in perfused heart of rats with varied thyroid function.  
[Phsl-69-D 0248.]
- SUKDEB MANDAL : Hydrocarbon Carcinogenesis in Vitro with normal mouse prostate cells.  
[Phsl-73-D 0249.]
- SAKTIPRASAD MUKHOPADHYAY : Studies on the Physiological Regulation of Triglyceride Metabolism in Rat Adipose Tissue.  
[Phsl-74-D 0250.]
- NARENDRAMOHAN BISWAS : Testicular Ascorbic Acid and Hydroxysteroid Dehydrogenase in Toad.  
[Phsl-75-D 0251.]
- AMARKUMAR CHATTOPADHYAY : The Experimental Hypothesis to explain the Mechanism of Luteal Regression or uterine Evacuation by Prostaglandin F<sub>2</sub> in rats.  
[Phsl-76-D 0252.]
- SOMNATH RAY : Effects of clomiphene citrate and cent. chroman on the Physiology of Reproduction.  
[Phsl-81-D 0253.]
- SM. MAYA DEB : Development of a standardised battery of tests for selection of Engineering students.  
[Psyc-68-D 0254.]
- ALAKKUMAR MAJUMDAR : An experimental study of some psychological processes underlying concept formation in blind.  
[Psyc-69-D 0255.]
- NIMAICHARAN DAS : A Psychometric study of low achievement of School Final candidates in General Science.  
[Psyc-77-D 0256.]
- RANJIT DATTA : Assessment of factors in-



- fluencing fertility pattern and their inter-relationship in a community in West Bengal. [Pbhl-74-D 0257.]
- BINAYKUMAR LAHIRI : On certain investigations in the theory of functions of infinite series and measure of a set. [Pumt-76-D 0258.]
- SANTIKUMAR CHATTOPADHYAY : Classical and group—Theoretic analysis of some problems of special functions. [Pumt-76-D 0259.]
- SWAPANKUMAR DAS : Some studies in the theory of Finite Topologies. [Pumt-81-D 0260.]
- UDAYSANKAR GANGOPADHYAY : On the design and synthesis of new types of subcarrier oscillators and discriminators for FM data systems and telemetry. [Rpel-68-D 0261.]
- BISWARANJAN NAG : Hot-carrier conduction *n*-type germanium. [Rpel-70-D 0262.]
- SATYABRATA CHAKRABARTI : Theory of Pathologized Networks and its applications. [Rpel-73-D 0263.]
- NIRMALBARAN CHAKRABARTI : Studies on some communication problems. [Rpel-74-D 0264.]
- ALOK CHAKRABARTI : Studies in dynamic response of piezoelectric (Transducers). [Rpel-79-D 0265.]
- DEBASISH CHATTOPADHYAY : Electron Transport in Semi-conductors. [Rpel-80-D 0266.]
- UPENDRAKUMAR BANIK : Studies on human chorionic gonadotrophin and gametokinetic substance of bovine faeces. [Zool-60-D 0267.]
- MUKUNDAMURARI CHAKRABORTI : Studies on parasitic protozoa. [Zool-60-D 0268.]
- KRISHNACHANDRA GHOSH : A monograph on the giant land snail *Achatina* (Lissachatina) *fulica fulica* Bowdich. [Zool-61-D 0269.]
- GOBINDAKISOR MANNA : Studies on meiotic and mitotic chromosomes. [Zool-62-D 0270.]
- SATYENDRANARAYAN CHAUDHURI : Studies on experimental parthenogenesis, merogony and some genetical aspects of silkworm *Bombyx mori* Linnacus (Family Bombyciidae) and some saturniids (Lepidoptera). [Zool-65-D 0271.]
- SUJITKUMAR DASGUPTA : Studies on the taxonomy and biology of the Indian species of biting midges (Diptera, ceratopogonidae). [Zool-65-D 0272.]
- BINAYKRISHNA TIKADAR : Revision of Indian carb spiders "Araneae : thomisidae." [Zool-69-D 0273.]
- GIRIDHARI MAJUMDAR : Studies on nematode parasite of some vertebrates of India. [Zool-69-D 0274.]
- D. K. CHAUDHURI : On the systematics, biology and ecology of Collembola : Insecta. [Zool-69-D 0275.]
- SANKARLAL BASU : Studies on the Physiology of Vertebrate reproduction. [Zool-71-D 0276.]
- TAPANKUMAR BHATTACHARYYA : Histophysiological Investigation of the Adrenocortical homologue in birds. [Zool-72-D 0277.]
- DINESCHANDRA SARKAR : Role of F. Cocoons for the development of Sericulture in India. [Zool-74-D 0278.]
- SUBHASHCHANDRA DE : Studies on the distribution and Taxonomy of the Ichthyofauna of the hill streams of Kamrup-Khasi-Garo Regions of Assam with special reference to the Functional Morphology of some Rheophilic fishes. [Zool-76-D 0279.]
- JYOTIRMAY DASGUPTA : Insect and Human Cytogenetics (A study of chromosome of 95 insects under four orders, some human sex chromosomal and autosomal aneuploidy with their correlation to



dermatoglyphic patterns and ultra-cytological structure of a cell).

[Zool-79-D 0280.]

SIBDAS BANDYOPADHYAY : Basal Laminar Glycosaminoglycan in Epithelial Morphogenesis. [Zool-80-D 0281.]

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PRATAPCHANDRA CHANDRA : Marriage and Morals in the Kautilya Arthaśāstra.

[Aihc-57-0282.]

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[Aihc-57-0283.]

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[Aihc-58-0284.]

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[Aihc-63-0286.]

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[Aihc-64-0288.]

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[Aihc-65-0289.]

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[Aihc-65-0291.]

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[Aihc-70-0301.]

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[Aihc-70-0302.]

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[Aihc-70-0303.]

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[Aihc-71-0304.]

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[Aihc-71-0305.]

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[Aihc-71-0308.]

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[Aihc-71-0309.]



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- SM. CHANDRA BHATTACHARYYA : Amarendranath Datta-Actor, Playwright and Director. [ Beng-74-0574. ]
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**SM. PAMPA GHOSH (MRS. MAJUMDAR)** : Rabindra Samskritir Bharatiya Rup-otsa. [ Beng-75-0596. ]  
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**TARAPADA GOSWAMI** : Tinjan Bangla Natyakarer Natyabodh : Girish Chandra Kshirod Prasad-O-Dwijendralal. [ Beng-75-0605. ]  
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**SM. MINAKSHI BASU** : Rabindra Sangiter Sahityik Bichar. [ Beng-76-0608. ]  
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**SM. JHARA DAS (MRS. BASU)** : Nababidhan-O-Bangla Sahitya. [ Beng-76-0612. ]  
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- SM. CHHANDA BHATTACHARYYA : Rabindra Kavye Prem-O-Saundarya Darshan. [ Beng-76-0625. ]
- MANTOSH CHAKRABORTI : Kalikata Hindu College ebong Unabinsa Satabdir Bangla Samaj, Sanskriti-O-Sahitya. [ Beng-76-0626. ]
- SUNILKUMAR DAS : Bangla Katha Sahitye Sanglap Dhara. [ Beng-76-0627. ]
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- SM. USHA KAR (MRS. BASU) : Sarat

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- RAGHUNATH MALLICK : Kalidas Pratibha.  
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- SM. PRATIBHA NIYOGI : Rabindra Sahitye  
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- SM. SANTI BASU : Dharmachinta—jatiya  
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- SM. SUKLA NAG : Bangla Bhasa-o-Sahitya  
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- SM. MANU GHOSH (MRS. JANA) : Balaram  
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- JNANESCHANDRA MAITRA : Narijagriti-O-Bangla Sahitya. [ Beng-79-0675. ]
- SM. ALO BASU : Rabindranather Nataka Sangiter Bhumika. [ Beng-79-0676. ]
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- SM. JAYASRI GHOSH : Bangla Sahitye Stri Charitrer Bibartan (Adhunik Haite Unabinsa Satabdi). [ Beng-79-0681. ]
- BRATISCHANDRA GHOSH : Prag Adhunik Bangla Kabye Rupak-O-Pratik. [ Beng-79-0682. ]
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- SM. JYOTSNA BASU : Parasuramer Galpa : Mananbaisishtya, Silparup-O-Bhashariti. [ Beng-79-0685. ]
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- JIBENDUKUMAR ROY : Samakalin Bharatiya Rajniti Ebang Rabindra Sahitya. [ Beng-79-0690. ]
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Manasa Mangal Kavya Dharay Kabi  
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- SM. BELA GHOSHAL : Bankim Sahitye  
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Rachanay Engriji Sahityer Prabhab.  
[ Beng-81-0713. ]
- SM. DIPALI SUKUL : Bangla Natake Sanglap  
(Unabinsa Satabdi). [ Beng-81-0714. ]
- NARAYANCHANDRA MANDAL : Bangla  
Natake Nayika Charitra.  
[ Beng-81-0715. ]
- AMIYABANDHU SINHA : Bangla Sahitye  
Rajnitik Andolan-o-Chetanar Prabhab.  
[ Beng-81-0716. ]
- SM. USHARANI DEBI : Kabi Kumud Ranjan  
Mallik : Jiban-o-Sahitya.  
[ Beng-81-0717. ]
- ABDUS SAMAD MALLICK : Bardhaman Raj-  
sabha-o-Bangla Sahitya (1657-1885).  
[ Beng-81-0718. ]
- TRIPURARANJAN BASU : Madhyayuger  
Bangla Sahitye Kabi Sankar.  
[ Beng-81-0719. ]
- SYAMALKRISHNA RAY : Bangla Upanyase  
Swades Chinta (1882-1926).  
[ Beng-81-0720. ]
- BIMANKUMAR SARKAR : Bankim Chandrer  
Sahitya Tattwa-o-Samalochanar Dhara.  
[ Beng-81-0721. ]
- SM. NAMITA CHAKRABARTI : Rabindra  
Sahitye Byanga-o-Kautuk.  
[ Beng-81-0722. ]
- MRINALKANTI DASGUPTA : Bangla Natake  
Tragedy Tattwa. [ Beng-81-0723. ]
- JNANENDRANATH MANDAL : Rabindra Natya  
Chintar Bibartan. [ Beng-81-0724. ]
- SM. GOURI SEN : Bangla-o-Hindi Vaishnav  
Padavali Sahitye Vatsalya Rasa (1501-  
1700 AD). [ Beng-81-0725. ]
- SM. SYAMALI BASU : Unabinsa Sataker  
Banglaya Chithipatre Lekhok Sattar  
unmochan. [ Beng-81-0726. ]
- SM. ARUNA BHATTACHARYYA : Kavi  
Rangalaler Kavyer Utsa-o-Mulyayan.  
[ Beng-81-0727. ]
- BIRENDRANATH DATTA : Dwitiya Biswa-  
juddhottar Bangla Katha Sahitya (1945-  
1965). [ Beng-81-0728. ]
- SM. KALPANA CHAKRABARTI : Bisbrikshya  
Theke Bihar Bangla Upanyase Asamajik  
Prem. [ Beng-81-0729. ]
- NARAYAN CHATTOPADHYAY : Rabindra-  
nather mamata chinhita Kayekti Bangala  
Sahitya Patrika. [ Beng-81-0730. ]
- RAMRANJAN RAY : Premendra Mitra :  
Kavi-o-Kathasilpi. [ Beng-81-0731. ]
- SAROJKUMAR DATTA : Bibhutibhusan  
Mukhopadhyay : Jiban-o-Sahitya Sadhana.  
[ Beng-81-0732. ]
- SM. MANJUSRI BHATTACHARYYA : Bangla  
Kabye Kalidas Ray. [ Beng-81-0733. ]
- DULALCHANDRA CHAKRABARTI : Dakshin  
Tripurar Lok Sahitya-o-Bhasha.  
[ Beng-81-0734. ]
- MD. KHAIRUL BASHAR : Muslim Rachita  
Bangla Upanyas 1885-1930.  
[ Beng-81-0735. ]
- RUDRENDU SARKAR : Rabindra Kabye Basta-



- bata (Adiparber Kabita theke Balaka Paryanta). [ Beng-81-0736. ]
- RASHIDUL ALAM : Rabindra Kavye Amir Kramabikas. [ Beng-81-0737. ]
- RENUPADA GHOSH : Iswar Gupta Samvadik, Kavi-o-Gadya Silpi. [ Beng-81-0738. ]
- PALASKUMAR MITRA : Halan Shah-o-Bangla Sahitya. [ Beng-82-0739. ]
- NIRENDUKUMAR HAJRA : Sanjibchandra-o-Bangla Sahitya. [ Beng-82-0740. ]
- DINESCHANDRA SINHA : Purba Banger Kabial-o-Kabigan. [ Beng-82-0741. ]
- SM. RACHANA DATTA : Chalachchitra a sahitya parichiti-o-Satyajit Ray krita chalachitrabali (1955-75) mulyayan. [ Beng-82-0742. ]
- BIPLAB CHAKRABORTI : The philosophy of pessimism and contemporary Bengali literature (Nairashyabad-o-ekaler Bangla sahitya (1941-1970). [ Beng-82-0743. ]
- MRITYUNJAY SURAI : Prachin madhya-o-adhunik Bangla sahitye Bangalider (Hindu) padavi-o-tar tatparya. [ Beng-82-0744. ]
- AMARESCHANDRA DAS : Rabindranather upanyaser nabamulyayan. [ Beng-82-0745. ]
- SM. MIRA JATI (Mrs. Das) : Krittibaser Ramayan-o-Tulsidaser Ramcharit manas-Tulanamulak Bichar. [ Beng-82-0746. ]
- PARSWANATH RAYCHAUDHURI : Barhu Chandidaser srikrishna kirtan kavyer punarmulyayan. [ Beng-82-0747. ]
- CHANDRASEKHAR BERA : Pratyanta Radher loka jiban -o-sahitya sanskritir Baishistha. [ Beng-82-0748. ]
- SM. KRISHNA CHAKRABORTI : Prabade Bangali Samajjiban. [ Beng-82-0749. ]
- BISHNUPADA BASU : Kabi Jibanananda-o-parabarti Bangla Kavya. [ Beng-82-0750. ]
- SM. MARUFI KHAN : Bangladesher upanyase gamin prabhab 1948-1971. [ Beng-82-0751. ]
- HIMADRISEKHAR CHAKRABARTI : Rajkrishna Rayer jiban jug sahitya kriti. [ Beng-82-0752. ]
- SM. MIRA GHOSH : Dwitiyo Biswajuddha-Samakalin bangla kathasahitya (1939-45). [ Beng-82-0753. ]
- KAMALKUMAR SINHA : Gandhijir bhabadarsa-o-bangla sahitya (1900-1950). [ Beng-82-0754. ]
- PIJUSHBARAN CHAKRARTI : Adhunik bangla sahitye Sanbuddher Sristi Baichitra. [ Beng-82-0755. ]
- SACHINDRANATH BARAPANDA : Unish Sataker bangla Samayik Patrikaye byangarachanar bastuvad-o-rupabaichitrya. [ Beng-82-0756. ]
- PRABHATKUMAR SARMA : Rabindranath ebong ingreji bhasa-o-Sahitya. [ Beng-82-0757. ]
- RANAJITKUMAR SAMADDAR : Bangla Sahitye-o-Sanskritite sthaniya bidroher prabhav. Sannyasi bidroho theke Siphai bidroho parjyanta. [ Beng-82-0758. ]
- SUBHASKUMAR MITRA : Adhunik Bangla Kabitae Europeo Prabhab—Jibanananda Das, Sudhindranath Dutta, Buddhadeb, Vishnu Deyar Bishesh Prasanga Kramey. [ Beng-82-0759. ]
- NISITHKUMAR MUKHOPADHYAY : Bangla Sahitya-o-Bangla Chalachitra : Parasparik Prabhab. [ Beng-82-0760. ]
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- SM. PURABI BISWAS : Shelly, Keats-o-Rabindranath. [ Beng-82-0763. ]
- SM. KATHAKALI SENGUPTA : Bankim Chandra-o-Tahar anusariganer Sahitya jignasa. [ Beng-82-0764. ]
- SANJAY MAJUMDAR : Sahityer Swarup Sandhane Rabindranath-o-Mohitlal. [ Beng-82-0765. ]





- SUBHASHAN BANDYOPADHYAY : Abanindranath Sahitya Samikshya.  
[ Beng-82-0766. ]
- SM. PURABI SARKAR : Rabindra Upanyaser Seshparyay. [ Beng-82-0767. ]
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- SANTIRANJAN SARKAR : Bangla Rajnaitik Natak (1860-1960). [ Beng-82-0770. ]
- SAMARENDRANATH PAL : Banglar Nabajagaran-o-Raja Rammohan.  
[ Beng-82-0771. ]
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- SAMIR BISWAS : Studies on vinyl polymerization with the use of some complex initiator systems. [ Apch-79-1746 ]
- NIKHILESWAR MUKHOPADHYAY : Studies on photo-polymerization of Methyl methacrylates using some peroxide systems and Amine compounds. [ Apch-79-1747 ]
- TAPANKUMAR DAN : Some Investigations on super sulphated cement. [ Apch-79-1748 ]
- HARIHAR BANDOPADHYAY : Studies on vinyl polymerization. [ Apch-80-1749. ]
- TAPASKUMAR GHOSH : Studies on vinyl polymerization in presence of some preformed polymers. [ Apch-80-1750. ]
- MIHIRKUMAR CHAKRABORTI : Studies on the modification of Fats. [ Apch-81-1751. ]
- SPARSHAMANI CHATTOPADHYAY : Studies on chemical modification of cotton and jute. [ Apch-81-1752. ]
- PRAFULLAPRASUN CHATTOPADHYAY : Some problems of Elasticity. [ Apmt-58-1753. ]
- SARATCHANDRA GANGOPADHYAY : Theory of Mixed Nucleonmeson Cascades. [ Apmt-59-1754. ]
- MITHILRANJAN GUPTA : On some analysis relating to soft cascade showers in Cosmic Radiation. [ Apmt-59-1755. ]
- SAMARENDRANATH BISWAS : Theories of fundamental particles and their applications. [ Apmt-59-1756. ]
- BIMALBHUSAN CHATTOPADHYAY : Problems of rotation of elastic discs and blade. [ Apmt-59-1757. ]
- SAKTIKANTA CHAKRABORTI : Some problems of elasto-dynamics. [ Apmt-59-1758. ]
- DURGADAS MALLIK : Some Problems of flow round solid bodies placed in rotating liquids. [ Apmt-60-1759. ]
- KSHETRAMOHAN GHOSH : Some problems on statistical theory of turbulence. [ Apmt-62-1760. ]
- GOPALENDU DEB RAY : Studies in spherical waves of explosion. [ Apmt-62-1761. ]
- SUKUMAR BASULI : Some problems of the elastic plates and shells. [ Apmt-63-1762. ]
- SUDHIR KUMAR BHATTACHARYYA : On some problems on vertex motion in fluid of classical hydrodynamics. [ Apmt-63-1763. ]
- ANILKUMAR DAS : Some problems of elasticity. [ Apmt-64-1764. ]
- AJITKUMAR MAL : Surface waves in Layered elastic media. [ Apmt-64-1765. ]
- SALIL KUMAR PAN : Deformation and stresses in different earth models and thermal stress problems. [ Apmt-65-1766. ]
- BASUDEV GHOSH : On torsion and other problems of elasticity. [ Apmt-66-1767. ]
- SANKARPRASAD BHATTACHARYYA : A few problems of thermoelasticity. [ Apmt-66-1768. ]
- ASIM RAY : On some Ballistic problem. [ Apmt-67-1769. ]
- DEBABRATA GHOSH DASTIDAR : The use of deformation theory for solving problems in plasticity. [ Apmt-67-1770. ]
- RAMPRASAD SARKAR : On some effects of



- Orography on air flow and rain fall,  
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- TAPENDRANATH MAULIK : On waves in  
Elastic Media. [ Apmt-68-1772. ]
- SUBHASCHANDRA BASU : Inclusion problems in Elasticity.  
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- BIDYUTKUMAR DATTA : Some problems in general theory of relativity.  
[ Apmt-69-1774. ]
- ARABINDA RAY : Studies on elastic wave propagation and their dependence on source mechanism. [ Apmt-69-1775. ]
- ALAKNATH CHAKRABORTI : Integral transfer and function : theoretic method applied to elasticity and allied subject.  
[ Apmt-70-1776. ]
- PRABHATRANJAN GHOSH : Some problems in mathematical theory of elasticity.  
[ Apmt-70-1777. ]
- SALILRANJAN MAITI : Deformation and stresses in the interior of earth models, centre of rotation and thermal stress problems. [ Apmt-70-1778. ]
- MIHIRKUMAR GUHA : Studies on some uniqueness theorems and integral equations associated with theory of elasticity and allied fields. [ Apmt-70-1779. ]
- SUBHASCHANDRA GHOSH : Some dynamic and static problems of elasticity.  
[ Apmt 70-1780. ]
- MANORANJAN MAITI : Reflection, diffraction and propagation of waves in elastic media. [ Apmt-70-1781. ]
- DINABANDHU CHATTOPADHYAY : Studies in some stated elasticity and dynamical problems in different elastic materials.  
[ Apmt-71-1782. ]
- RATHINDRANATH BISWAS : Use of singular integral equations and Green's functions to certain adjoining problems of elasticity.  
[ Apmt-71-1783. ]
- SANTIPRIYA DASGUPTA : Propagation and diffraction of transverse waves in different media. [ Apmt-71-1784. ]
- PRASANTAKUMAR CHAUDHURI : Solution of certain mixed and ordinary boundary value problems of theory of elasticity.  
[ Apmt-72-1785. ]
- BIRENDRANATH MANDAL : On problems of wave propagation and its associated mathematical techniques together with their application to other problems.  
[ Apmt-73-1786. ]
- NIRMALKUMAR BASU : On some problems on numerical analysis.  
[ Apmt-73-1787. ]
- PRANAB KUMAR SARKAR : On some problems of Boolean Functions and Graph theory. [ Apmt-73-1788. ]
- PROTAP SINGH : Some problems on behaviour of waves in compressible Fluid.  
[ Apmt-73-1789. ]
- CHARUGOPAL CHAKRABORTI : Essentially statistical and information-theoretic approach to some problems of statistical physics. [ Apmt-73-1790. ]
- TRIPTIMOY MUKHOPADHYAY : On some problems of theoretical cybernetics.  
[ Apmt-73-1791. ]
- RABINDRANATH SEN : On some iterative methods of solving equations in certain abstract spaces. [ Apmt-73-1792. ]
- JITENDRANATH DAS : Some aspects of quantum scattering and strong interactions. [ Apmt-74-1793. ]
- ARUPKUMAR MUKHOPADHYAY : Studies on the effects of nonhomogeneity of Elastic and plastic materials. [ Apmt-74-1794. ]
- SUJITKUMAR SARKAR : Thermoelasticity in plates (a few problems).  
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- LALMOHAN SAHA : On some problems of mechanics of continuous media.  
[ Apmt-74-1796. ]
- SM. MANJU GHOSH (MRS. PAN) : Vibration problems in elastic media.  
[ Apmt-75-1797. ]
- PRANAYKUMAR CHAUDHURI : Studies on the effects of non-homogeneity in elastic



- properties on stresses. [ Apmt-76-1798. ]
- RABINDRANATH BHATTACHARYYA : On some problems in internal ballistics. [ Apmt-76-1799. ]
- SM. MANJUSRI MAJUMDAR : On some Techniques on Applied Mathematics with Applications. [ Apmt-76-1800. ]
- SM. SUKLA MUKHOPADHYAY : On some dynamical problems in plasma and fluid Mechanics. [ Apmt-77-1801. ]
- SM. UMA BASU : Some problems of continuum mechanics with some general constitutive Equations. [ Apmt-77-1802. ]
- BAIDYANATH PATRA : Solution of some plane and three dimensional problems of mathematical theory of elasticity and associated mathematical techniques. [ Apmt-77-1803. ]
- JYOTIBHUSHAN BHAUMIK : Some gas dynamical problems on explosions. [ Apmt-77-1804. ]
- BISWANATH SARKAR : Study of production and inventory system—A control theory. [ Apmt-78-1805. ]
- PRADIPKUMAR BHATTACHARYYA : Investigation on flow inside a hydrocyclone. [ Apmt-78-1806. ]
- GAUTAM SIDDHARTHA BURRA : On some problems of bound states and scattering in quantum mechanics. [ Apmt-78-1807. ]
- KACHIRAM BERA : On already unified field theory and problems of Singularities in General Relativity. [ Apmt-79-1808. ]
- JAYANTAKUMAR RAY : Balanced and Minimal Cost Tree structures in computer sorting and searching—A study of some Algorithms. [ Apmt-79-1809. ]
- ANADIKUMAR CHATTOPADHYAY : Mathematical Model of the propagation of Waves in a shallow channel and interlacing channels. [ Apmt-79-1810. ]
- MD. HASANAZZAMAN : Some problems of Supersonic gas flows past blunt bodies at infinite Mach number. [ Apmt-79-1811. ]
- BARUNKUMAR SENGUPTA : On some Mathematical Problems of Electrolytes in solution. [ Apmt-79-1812. ]
- AMITABHA BANDYOPADHYAY : Effects of non-homogeneous elastic co-efficient on stresses. [ Apmt-80-1813. ]
- KALYANKUMAR BAGCHI : On some dynamical problems in continuum mechanics. [ Apmt-80-1814. ]
- RABITOSH BASU : Some problems on elasticity & Plasticity. [ Apmt-80-1815. ]
- AHUTINARAYAN KONAR : Some aspects of Atomic Scattering. [ Apmt-80-1816. ]
- SM. RENUKA DATTA : Thermodynamics of assembly of interacting particles. [ Apmt-80-1817. ]
- DIPANKAR MUKHOPADHYAY : Some two and three dimensional problems of Mathematical theory of elasticity. [ Apmt-80-1818. ]
- SM. MADHUBALA AGARWAL : On some dynamical problems in continuum mechanics. [ Apmt-80-1819. ]
- SOMNATH BHADURI : Some problems of elastostatics and elasto-Dynamics. [ Apmt-81-1820. ]
- TAPAN KUMAR CHAKRABORTI : Propagation of relativistic shock waves. [ Apmt-81-1821. ]
- DEBABRATA SINHA : On the bending of initially curved elastic plates and shells. [ Apmt-81-1822. ]
- AMARENDRANATH BASU : Tidal propagation in some rivers of West Bengal. [ Apmt-81-1823. ]
- DEBIDAS CHATTARAJ : Stress distribution at the foot of columns on elastic foundation. [ Apmt-81-1824. ]
- SM. MADHABI DATTA : On some problems of singular potentials in quantum mechanics. [ Apmt-82-1825. ]
- SM. DIPA BASU : Some problems of infor-



- mation theory and its applications.  
[ Apmt-82-1826. ]
- SM. PARBATI PAL : Some investigations on thermodynamic behaviour of strong electrolytes in solution.  
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- SANKARKUMAR DE : Studies in the effects of non-homogeneity of the elastic properties of bodies. [ Apmt-82-1828. ]
- PASUPATI MITRA : On some aspects of two-phase flow problem.  
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- JAGADISCHANDRA KUNDU : Some problems on bonding and vibration of elastic plates and shells. [ Apmt-82-1830. ]
- RANJITKUMAR CHAKRABARTI : Development of mathematical methods and their applications to physical problems.  
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- LALITMOHAN RAY : Studies on the performance and design of electrical machine.  
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- BRAJENDRALAL BANDYOPADHYAY : Studies on mechanical behaviour of some cellulose fibre including jute. [ Apph-57-1833. ]
- ARUNKUMAR CHAUDHURI : The Analogue Computer. [ Apph-59-1834. ]
- SRIKRISHNAPRASAD BHATTACHARYYA : Studies on problems in Electro-technology. [ Apph-59-1835. ]
- BISWANATH DATTA : The determination of velocity of electromagnetic waves near the surface of the earth by the free space Radar method. [ Apph-59-1836. ]
- G. S. R. KRISHNAMURTI : X-Ray analysis of crystal structure of organic compounds at different temperature.  
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- SANTOSH CHANDRA NATH : Design and Construction of fast Oscilloscopes and distributed Amplifiers.  
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- AJOYKUMAR SEN : Studies on the Dielectric Properties of a few natural resins and their derivatives. [ Apph-60-1839. ]
- HARIPADA BHATTACHARYYA : The Studies of Schrage Motor Power loss in palar Dielectrics and mechanical Wear from friction. [ Apph-60-1840. ]
- SATYARANJAN DAS : Studies on some aspects of lighting colour vision.  
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- RABINDRANATH BASU : Relaxation method and its application in Electrical Engineering problems. [ Apph-61-1842. ]
- MANINDRANATH MITRA : Elastic, Anelastic and plastic Components of strain in metals. [ Apph-61-1843. ]
- SAMIR KUMAR BASU : Studies on network problems. [ Apph-62-1844. ]
- PARESNATH DAS : Study of sampled waves and its use on time division multiplex telephone and telegraph system.  
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- KRISHNADAS RAY : Transverse vibration of bar under impact. [ Apph-62-1846. ]
- ABUL KHAIR JALALUDDIN : A study of the superheat of liquids.  
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- SUBHAS CHANDRA GHOSH : Design of a wattless test circuit for meters and relays. [ Apph-63-1848. ]
- SUBODH CHANDRA SOM : Studies on diffraction images of objects in partially coherent light. [ Apph-63-1849. ]
- BIMALKUMAR NATH : The assessment of optical system suffering from aberrations.  
[ Apph-64-1850. ]
- AMALKANTI GHOSH : Studies on the Physics of image Formation.  
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- KANTILAL SUKHABHAI PATEL : Harmonic-generation. [ Apph-64-1852. ]
- JAGANNATH MUKHOPADHYAY : Application of tensors in multiwinding transformer problems. [ Apph-66-1853. ]
- JYOTSNA KUMAR CHAUDHURI : Alternating current magnetic measurements.  
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- MALAYKUMAR SENGUPTA : Measurement



- of axial and off-axis aberrations in Microscope objectives.  
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- SUDHENDUPRASAD BASU : A Study of nucleate boiling and neighbouring phenomena.  
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- SANTOSHCHANDRA MUKHOPADHYAY : Development of an electronic torque-meter and studies on associated timing circuits.  
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- SAMBHUNATH DATTA : Relaxation methods as applied to electrical circuits and net works.  
[ Apph-69-1858. ]
- RABINDRANATH DHAR : Physico-chemical properties of a few natural silicates.  
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- DILIPKUMAR BASU : A study of the super-heat and heat transfer properties of liquids and binary mixtures.  
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- BALARAM BHATTACHARYYA : Tensor analysis of electrical machines.  
[ Apph-70-1861. ]
- PUERNENDUNATH GHOSH : A study on the development of new types of secondary alkali cells and their characteristics.  
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- SACHINDRANATH CHAKRABORTI : Studies in magnetic modulators.  
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- MANASKUMAR JOARDAR : On numerical methods and their application in electrical engineering problems.  
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- TAPASKUMAR MITRA : Tensor analysis of electrical and electronic engineering problems.  
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- ASOKKUMAR MUKHOPADHYAY : Electrical and Electronic Engineering problems.  
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- KANTIBHUSAN DATTA : Stability of non-linear systems—discrete and continuous.  
[ Apph-72-1867. ]
- DEBABRATA BASU : Application of Tensor method in complex network problems.  
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- DIPAKCHANDRA PATRANABIS : On the study of oscillations in active filter systems.  
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- PRANKRISHNA BANIK : Application of Tensor in Electronic Engineering.  
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- AMITAVA BASURAY : Phase and/or amplitude contrast microscopy in partially coherent light.  
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- BIMALKUMAR LAHIRI : Analysis of certain electrical and electronic circuits by using Krons method of approach.  
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- ARUN KUMAR MAJUMDAR : Some studies on linear nonlinear Multivariable systems.  
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- ASITKUMAR DATTA : On the applications of solid state devices to the pulse control of electrical machines.  
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- TAPANKUMAR MUKHOPADHYAY : Studies on stability of electrical machines and power systems by the second method of Lyapunov.  
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- ASHISHKUMAR BANDOPADHYAY : Design and analysis of some electro-mechanical transducers.  
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- SWAPANKUMAR PAN : Synthesis and analysis of network by Kronian method of approach.  
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- ANANDAMOHAN GHOSH : Some investigations on discrete excitation control of power system synchronous generators.  
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- LAKSHMINARAYAN HAJRA : Apodisation of Telescopes working in a turbulent medium.  
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- ANANTAKUMAR RAY : Analysis of E.C.G. and Electronic Networks using Kron's method of approach and development of some Bioelectric models relating to human body.  
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- GAUTAM MITRA : Studies on the refraction of special wavefronts through an array of planar layers.  
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- SUBRATAKUMAR MITRA : On flow graph





- approach to the study of electrical networks. [ Apph-79-1882. ]
- BHASKAR BHATTACHARYYA : On signal flow graphs and applications. [ Apph-80-1883. ]
- BHAJAN CHAUDHURI : Studies on the Schuster-Kubelka Munk theory for inhomogeneous media. [ Apph-81-1884. ]
- SM. RATNA SEN : A psychological investigation into the problem of unemployment. [ Apps-72-1885. ]
- NRISINHAKUMAR BHATTACHARYYA : An analysis of projected molar behaviour of normal and physically handicapped children for effective understanding of the dynamics of their social behaviour. [ Apps-75-1886. ]
- SNEHANGSHU KUMAR DASGUPTA : Psychodiagnostic study of social morale of Higher class school student (Bengalee) of different Districts of West Bengal. [ Apps-77-1887. ]
- BARUNKUMAR BASU : A psychological study on the nature of individual (worker's) adaptation under stress-situations in industries. [ Apps-81-1888. ]
- SM. INDRANI MUKHOPADHYAY : An attempt to evaluate advertising effectiveness of Radio—An auditory medium of communication—in comparison to that of cinema slides—a visual medium of communication—in a given advertising situation, from a behavioral point of view. [ Apps-81-1889. ]
- PANKAJKUMAR SUTRADHAR : Socially disadvantaged and Advantaged children : A Psychological study of their relative academic achievements. [ Apps-82-1890. ]
- NIRODRANJAN GHOSH : Construction of a criminal motive apperception test for identifying the possibilities of a suspect's involvement with criminal behaviour. [ Apps-82-1891. ]
- NIRMAL CHANDRA KAR : Studies on the bio-synthesis of l-ascorbic acid. [ Bioc-62-1892. ]
- PRANAB KUMAR SARKAR : Studies on the bound form of niacin (Niacinogen). [ Bioc-63-1893. ]
- RANJIT KUMAR DATTA : Biochemical studies on brain metabolism. [ Bioc-63-1894. ]
- SM. ARATI RUDRA (MRS. GHOSH) : Studies on the metabolism of candida albicans (in relation to the mode of action of polyene antibiotics). [ Bioc-63-1895. ]
- HARAPRASAD GHOSH : Studies on the bound form of Nicotinic Acid (Niacinogen). [ Bioc-63-1896. ]
- RATHINDRA KUMAR BHATTACHARYYA : Interrelationship of dietary protein and vitamin A in metabolism. [ Bioc-63-1897. ]
- DIPAK HALDAR : Studies on the action of some antibiotics on *Vibrio cholerae* : [ Bioc-63-1898. ]
- SM. RAMA GANGOPADHYAY : Action of antibiotics in relation to bacterial metabolism. [ Bioc-64-1899. ]
- ANANDAMOHAN CHAKRABARTI : Study of a *Pseudomonad* and the nature of pigments synthesized by it. [ Bioc-64-1900. ]
- SM. SUBHA SEN : Studies in the lipid and allied metabolism in human essential hypertension. [ Bioc-64-1901. ]
- SM. MALAYA SEN : Studies in essential hypertension in human beings. [ Bioc-64-1902. ]
- NIMAIKUMAR GHOSH : Studies on serum Phosphatases. [ Bioc-64-1903. ]
- AMIYA KUMAR BANDYOPADHYAY : Studies in human malignant tissues. [ Bioc-65-1904. ]
- TAPAS KUMAR DATTA : Effects of dietary protein and methionine on cholesterol genesis in experimental animals and man. [ Bioc-65-1905. ]



- BASUDEV PAL : Studies on some metabolic aspects during the action of tranquillizer drugs. [ Bioc-65-1906. ]
- CHIRABRATA MAJUMDAR : Metabolism of Nucleic acid. [ Bioc-65-1907. ]
- SUNIL KUMAR CHATTOPADHYAY : Protein biosynthesis in plant mitochondria. [ Bioc-66-1908. ]
- TAPASKUMAR RAY : Studies in human malignant tissues. [ Bioc-66-1909. ]
- SM. ARCHANA BHOSE : Studies on certain aspects of the regulation of lipid metabolism by steroid hormones. [ Bioc-66-1910. ]
- TUSHARKANTI RAY : Studies on some aspects of amino acid metabolism by brain tissue. [ Bioc-66-1911. ]
- SUBIRKUMAR CHANDA : Biochemical studies in brain nuclei. [ Bioc-66-1912. ]
- HIRENDRA KUMAR DAS : Protein synthesis in plant mitochondria. [ Bioc-66-1913. ]
- SHYAMAPRASAD BHATTACHARYYA : Inter dependence of certain vitamins in metabolism. [ Bioc-67-1914. ]
- DILIPKUMAR GHOSH : Some metabolic aspect of Leishamani domovani. [ Bioc-67-1915. ]
- SM. KALPANA CHAKRABARTI : Polyribonucleotide metabolism. [ Bioc-67-1916. ]
- SM. IPSITA CHATTAPADHYAY : Some metabolic studies of the subcellular fractions of animal tissues. [ Bioc-67-1917. ]
- BISWAJIT LAHIRI : Studies in human leukæmia. [ Bioc-67-1918. ]
- SM. NANDITA SEN : Biochemical studies on tyrosine toxicity in rats. [ Bioc-68-1919. ]
- DEBESCHANDRA MUKHOPADHYAY : Studies on the effect of certain antibiotics on metabolism of lipids in experimental animals. [ Bioc-68-1920. ]
- SANTIBHUSHAN LODH : Amino acid hydrazides as possible anti Cancer agents. [ Bioc-68-1921. ]
- SANDIPKUMAR BASU : Studies on some metabolic aspects of *Escherichia Coli* and *pseudomonas Fluorescens putida* intermediate. [ Bioc-68-1922. ]
- SM. REBA CHATTAPADHYAY : Morphological, cultural and biochemical studies on Streptomycin resistance in *Bacillus subtilis*. [ Bioc-68-1923. ]
- SM. ALAKANANDA MAJUMDAR : Studies on genetic transformation of Cancerous Cells with reference to a biochemical trait. [ Bioc-68-1924. ]
- SM. KASTURI BASU : Biochemical studies on Tyrosine Toxicosis in rats with special reference to alleviating effect of threomine on Tyrosine Toxicity. [ Bioc-68-1925. ]
- SM. BHAKTI SAMANTA : Studies on streptomycin sensitive and resistant strains on *bacillus subtilis*. [ Bioc-68-1926. ]
- RATHA NATH HATI : Studies on the Enzymatic formation of Diodotyrosine. [ Bioc-68-1927. ]
- PRASANTAKUMAR RAY : Studies on some growth inhibiting factor from some edible leguminous seeds. [ Bioc-68-1928. ]
- ASOKKUMAR BHATTACHARYYA : Biochemical studies on Tea. [ Bioc-68-1929. ]
- SM. LINA MALLIK : Glucose amino acid metabolism in normal and malignant tissues. [ Bioc-68-1930. ]
- AMALENDU MANDAL : Studies on the effect of streptomycin on *bacillus subtilis*. [ Bioc-68-1931. ]
- SANKARLAL ADHYA : Studies on Nucleic acids and Nucleoprotein in germinating seeds. [ Bioc-68-1932. ]
- ASISH DATTA : Enzymatic phosphorylation and epimerisation of N-acetyl glucosamine in animal tissues. [ Bioc-68-1933. ]
- JITRANJAN BHATTACHARYYA : Protein synthesis in plant mitochondria. [ Bioc-68-1934. ]
- PINAKILAL BHATTACHARYYA : Biological significance of antibiosis on the life





- process of the antagonists.  
[ Bioc-68-1935. ]
- SWAPANKUMAR GHOSH : Studies on biochemical changes in Microsomes during drug action. [ Bioc-69-1936. ]
- SATINDRAKISOR GOSWAMI : Studies on the microbial production of Glutamic acid. [ Bioc-69-1937. ]
- SANTIMAY BANDYOPADHYAY : Metabolism of amino sugar and other related monosaccharides in yeast and bacteria. [ Bioc-69-1938. ]
- SM. MALAYA BHATTACHARYYA : Studies in human malignant tissues. [ Bioc-69-1939. ]
- RANJITLAL DE : Biochemical studies on proteolytic enzymes of some insectivorous plants. [ Bioc-69-1940. ]
- SM. CHHABIRANI GHOSH : Studies on the dynamics of lipid atherosclerosis. [ Bioc-69-1941. ]
- SM. CHANDRALEKHA RAYCHAUDHURI : Studies on the biosynthesis of L-Ascorbic acid in different species. [ Bioc-69-1942. ]
- SM. MAITREYI BASU : Biochemical studies in essential hypertension in human beings. [ Bioc-69-1943. ]
- BIJAYKRISHNA PAL : Studies on brain microsomes. [ Bioc-69-1944. ]
- SM. SIPRA BISWAS : A study of nucleus of cancer cell with relation to the cytochemical and biochemical. [ Bioc-69-1945. ]
- SM. NILIMA MAJUMDAR : Biochemical studies in lipid and allied metabolism in human essential hypertension. [ Bioc-69-1946. ]
- BISWARANJAN RAY : Studies on changes in concentration of free and protein-bound potassium in blood during anaesthesia. [ Bioc-69-1947. ]
- NITAICHANDRA MANDAL : Studies on the metabolism of Inositol Phosphates. [ Bioc-69-1948. ]
- SAMBHUNATH BHATTACHARYYA : Kinetics of respiration and glycolytic metabolism of *S. carlsbergensis* in Inositol deficiency. [ Bioc-69-1949. ]
- SAUMYA BHADURI : Biochemical studies on the action of pethidine (meperidine). [ Bioc-69-1950. ]
- GOPALCHANDRA MAJUMDER : Studies on the synthesis of protein by milk and the mammary gland. [ Bioc-69-1951. ]
- SATYENDRANATH BASU : Chemical method for detection of Ovulation time. [ Bioc-69-1952. ]
- MUKULCHANDRA DATTA : Studies on certain biochemical aspects of blood during storage. [ Bioc-69-1953. ]
- RANJIT KUMAR RAY : Biochemical study on host virus system. [ Bioc-70-1954. ]
- SM. SILA MUKHOPADHYAY : Microbial synthesis and transamination role of vitamin B<sub>12</sub>. [ Bioc-70-1955. ]
- SM. SNEHALATHA CHAMUKUTTAN : Biochemical studies in cholera with special reference to the role of vibrio products in pathogenesis. [ Bioc-70-1956. ]
- PAWAN SINGH CHAUHAN : Studies on some effects of pyridine Nucleotides and cardiovascular system and smooth muscle. [ Bioc-70-1957. ]
- RADHARAMAN RAY : Biochemical investigations on Brain Nuclei. [ Bioc-70-1958. ]
- SM. CHHANDA SENGUPTA : Studies on some aspects of L-ascorbic acid bio-synthesis in animals. [ Bioc-70-1959. ]
- BINAYBHUSAN MAJUMDAR : Biochemical studies on Uric acid metabolism in health and diseases. [ Bioc-70-1960. ]
- SM. MANJUSRI DE (MRS. BAL.) : Studies on some aspects of Peroxidase from submaxillary gland. [ Bioc-70-1961. ]
- SM. RATNA MODAK : Metabolism of lipid and allied compounds in human essential hypertension. [ Bioc-70-1962. ]
- RABI DHAR : Studies in enzyme glutamate



- pyruvate transaminase in *Escherichia Coli* 113-3. [ Bioc-70-1963. ]
- SYAMALKUMAR RAYCHAUDHURI : Biochemical studies on some aspects of pigment metabolism. [ Bioc-71-1964. ]
- KIRANCHANDRA GUHA : Studies on certain aspects of milk and milk products. [ Bioc-71-1965. ]
- DIPAKKUMAR DUBE : Protein synthesis in human cancer cell. [ Bioc-71-1966. ]
- SUJITKUMAR BHATTACHARYYA : D-amino acid metabolism in microorganism. [ Bioc-71-1967. ]
- SM. PRABHATI BANDYOPADHYAY : Studies on the interrelationship of dietary carbohydrates and protein in metabolism. [ Bioc-71-1968. ]
- SM. TRIPTI GUPTA : Biochemical studies in lipid and allied metabolism of human normal and aequiart urvix uteri. [ Bioc-71-1969. ]
- PRASADKUMAR MUKHOPADHYAY : Biochemical studies on Helminthosporium disease of rice plant. [ Bioc-71-1970. ]
- SANKARKUMAR MUKHOPADHYAY : Studies on fermentative production of pectinases. [ Bioc-71-1971. ]
- SM. ANJANA HALDAR : Mechanism of antifungal action on Mycobacillin. [ Bioc-71-1972. ]
- SM. SYAMALIMA CHAKRABARTI : Protein synthesis in human cancer cell. [ Bioc-71-1973. ]
- ASISHKUMAR CHANDRA : Biochemical studies on *Trichophyton rubrum*. [ Bioc-71-1974. ]
- SM. SUJATA BARMAN : Phosphatases and phosphotransferases in germinating seeds. [ Bioc-71-1975. ]
- SUSANTAKUMAR DAS : Studies on trypsin from goat pancreas : Isolation enzymatic and physical chemical properties. [ Bioc-71-1976. ]
- RANJITKUMAR DASGUPTA : Studies on some aspects of radiation—induced changes in deoxyribonucleic acids of bacteria and bacterial viruses. [ Bioc-72-1977. ]
- TEKVANI PURSHOTTAM : Electrolyte balance under environmental stress (with particular reference to high altitude exposees). [ Bioc-72-1978. ]
- SUDIPKUMAR BANDOPADHYAY : Studies on the metabolism of L-ascorbic acid under varying nutritional factors. [ Bioc-72-1979. ]
- SAMBHUNATH GHOSH : The mutagenicity of carcinogens in *envitro* cell culture. [ Bioc-72-1980. ]
- AJITKUMAR DE : Effect of irradiation on tissue metabolism in the rat. [ Bioc-72-1981. ]
- PRABHATKUMAR GHOSH : Protein synthesis in plant Mitochondria. [ Bioc-72-1982. ]
- SWADESH DATTA GUPTA : Biosynthesis of L-ascorbic acid in animals. [ Bioc-72-1983. ]
- HARIDAS DEBNATH : Studies on Serum Esterase and Serum lipase. [ Bioc-72-1984. ]
- DIPTISHCHANDRA SENGUPTA : Amino acid imbalance and brain development. [ Bioc-73-1985. ]
- RAMANKUMAR RAY : Studies on certain aspect of interrelationship between minerals and ascorbic acid metabolism in animals. [ Bioc-73-1986. ]
- GORACHAND SARKAR : Biochemical studies on human placenta. [ Bioc-73-1987. ]
- NIMAICHANDRA BANDYOPADHYAY : Protein synthesis in plant Mitochondria. [ Bioc-73-1988. ]
- SM. VARSHA SHAH : Studies on some aspects of metabolism of cornea and lens in protein deficiency in Albine rats. [ Bioc-73-1989. ]
- JNANANKUR BAG : Studies on a phosphoenol pyruvatehexose phosphotransferase system in *Vibrio cholerae*. [ Bioc-73-1990. ]
- SUNIL KUMAR MANDAL : Studies on the



- microbial production of valine.  
[ Bioc-73-1991. ]
- SM. MIRA CHATTOPADHYAY (MRS. GHOSH) :  
Studies on ascorbic acid metabolism.  
[ Bioc-73-1992. ]
- HEMANTA KUMAR DAS : Carbohydrate  
Metabolism under hypoxic stress condi-  
tions. [ Bioc-73-1993. ]
- RAMESH GAJANAN MAHAJAN : Metabolism  
and function in the intestine with  
special reference to ion and water  
transport. [ Bioc-73-1994. ]
- RANJAN BHADRA : Neomycin Biosynthesis.  
[ Bioc-73-1995. ]
- TAPANKUMAR MISRA : Studies on the bio-  
chemical effects of Boseimycin on the  
Microorganisms [ Bioc-73-1996. ]
- SM. SIKHA CHAKRABORTI : Studies on  
serum cholesterol in health and Disease  
in Indians. [ Bioc-73-1997. ]
- PRANABSANKAR BASU : Studies on Amine  
dehydrogenating system of Rat liver.  
[ Bioc-73-1998. ]
- APURBAKUMAR BASU : Biochemical Studies  
on the topic action of Argemone alkaloids.  
[ Bioc-73-1999. ]
- SM. ADITI SARKAR : Protein synthesis in  
Transplanted muscle fibro-sarcoma.  
[ Bioc-74-2000. ]
- SULEKHENDUKUMAR GUPTA : Studies on the  
antifungal antibiotics of plant origin.  
[ Bioc-74-2001. ]
- TAPANKUMAR ACHARYA : Studies on some  
antifungal compounds from species of  
the genus cassia. [ Bioc-74-2002. ]
- N. SUBRAMANIAN : Effect of drugs on  
biosynthesis and utilization of L-ascorbic  
acid in animals. [ Bioc-74-2003. ]
- ALOCHKUMAR DATTA : Ribonucleases of  
Salmonella typhimurium.  
[ Bioc-74-2004. ]
- AMALKUMAR MAJUMDAR : Biosynthesis and  
utilization of ascorbic acid influence of  
high cereal diet, iron and vitamin E.  
[ Bioc-74-2005. ]
- ARUNKUMAR GUHA : Studies on fermenta-  
tive production and nutritive values of  
Indian edible fungi. [ Bioc-74-2006. ]
- PRADIPKUMAR CHAUDHURI : Enzymatic  
studies related to L-ascorbic acid syn-  
thesis in different species of animals.  
[ Bioc-74-2007. ]
- BIPLABKANTI NANDI : Biosynthesis and  
utilisation of L-ascorbic acid in animals  
under stressful conditions.  
[ Bioc-74-2008. ]
- SM. SUKTA DAS : Studies on the enzymatic  
activity in normal and tumour bearing  
mice. [ Bioc-74-2009. ]
- RAJYASREE RAYCHUDHURI : Studies on  
Erythropoietin biosynthesis in kidney and  
effect of cobalt on it. [ Bioc-74-2010. ]
- DILIPKUMAR DE : Protein biosynthesis in  
plant mitochondria and allied systems : a  
profile of its mechanism.  
[ Bioc-74-2011. ]
- DEBABRATA NAG : Biochemical studies on  
the action of neurotropic drugs in brain.  
[ Bioc-74-2012. ]
- DILIPKUMAR PAL : Studies on some  
aspects of galactose metabolic pathway.  
[ Bioc-74-2013. ]
- SUBHANKAR RAY : Protein synthesis in  
some soybeans. [ Bioc-74-2014. ]
- ASISKUMAR DAS : Enzymatic regulation of  
transcription I Eukaryotic ribosomal and  
transfer RNA synthesis.  
[ Bioc-74-2015. ]
- SANTIBRATA BHATTACHARYYA : Biochemi-  
cal studies on skin spidernis with special  
reference to the action of griseofulvin.  
[ Bioc-74-2016. ]
- SM. BITHI MANDAL : Carbohydrate meta-  
bolism in protein caloriss undernutrition  
in children. [ Bioc-74-2017. ]
- SM. BRATATI BISWAS : Neurohistochemical  
studies on the action of cannabis with  
special reference to the action of delta 9  
tetrahydro-cannabinol on adrenal cortex,  
adrenal medulla and hypo-thalamo neuro-



- hypophyseal neurosecretory system of rats. [ Bioc-74-2018. ]
- MRINALKANTI PODDAR : Biochemical studies on the Action of cannabis extract and  $\Delta$  tetrahydro cannabinol. [ Bioc-74-2019. ]
- SM. RITA BISWAS : Lipid pattern in cyclic rats after ovarian hormone treatment. [ Bioc-74-2020. ]
- PRABIR BHATTACHARYYA : Studies on deoxy-ribonuclease in brain. [ Bioc-74-2021. ]
- SM. SUNITI CHATTOPADHYAY : Studies on serum iron and iron binding capacity in health and diseases. [ Bioc-74-2022. ]
- ASOK GANGOPADHYAY : Factors that control the RNA polymerase from the plant cell nuclei (i) effect of initiation factor and I.A.A. receptor complex on non-ribosomal RNA synthesis. [ Bioc-74-2023. ]
- PRANABKUMAR BANDOPADHYAY : Studies on the detection of semen with special reference to forensic implication. [ Bioc-74-2024. ]
- SAMARNATH RAY : Studies on the influence of food tannins on certain aspects of iron metabolism. [ Bioc-74-2025. ]
- RANJITKUMAR GHOSH : Studies on the extracellular ribonuclease from *Penicillium janthinellum*. [ Bioc-74-2026. ]
- SM. BANI BASU : Studies on the enzymes of ascorbic acid metabolism and related pathway in the normal and leukemic leukocytes. [ Bioc-74-2027. ]
- MALAYKUMAR CHATTOPADHYAY : Investigation for biochemical basis of onset of puberty and its control by hormonal steroids. [ Bioc-74-2028. ]
- SM. MANJUSRI DAS : Studies in amino acid metabolism (intestinal dipeptidases and peptide transport.) [ Bioc-74-2029. ]
- PRADIPKUMAR RAY : Effect of erythropoietin on the iodination reaction catalyzed by purified peroxidases. [ Bioc-74-2030. ]
- BUDDHADEB RAY : Significance of antibiotic production in relation to spore forming metabolism in *Bacillus subtilis*. [ Bioc-74-2031. ]
- KANAILAL MUKHOPADHYAY : Biochemical studies on the administration of lithium compounds in animals. [ Bioc-74-2032. ]
- PRANABKANTI MUKHOPADHYAY : Studies on lysis defective mutants of bacteriophage lambda I role of S gene in lysis. [ Bioc-74-2033. ]
- TAPAN SOM : Biochemical and genetic studies on phosphoenolpyruvate sugar phosphotransferase system in bacteria. [ Bioc-74-2034. ]
- SANDIP KUMAR BANDYOPADHYAY : Studies on the effect of tissue injuries on histaminase. [ Bioc-75-2035. ]
- SM. MANJURANI NAG (MRS. RAY) : Comparative studies on UDP glucose 4-epimerase from different sources and its possible role in control of galactose metabolism. [ Bioc-75-2036. ]
- BISWAJIT RAY : Enzymatic studies of leucocytes under normal and leukaemic conditions. [ Bioc-75-2037. ]
- SM. INDIRA SEN (MRS. CHAKRABARTI) : Psychoactive drug action on the reproductive system of animals. [ Bioc-75-2038. ]
- SM. MITA BHATTACHARYYA : Lipids of cell organelles from normal, malignant and fibrosarcoma tissues. [ Bioc-75-2039. ]
- PRANABKUMAR CHATTAPADHYAY : Studies on bacterial lipids. [ Bioc-75-2040. ]
- SM. CHAITALI BHATTACHARYYA : Mechanism of rejection of human fetal adrenal cortex. [ Bioc-75-2041. ]
- SUBALCHAND BISHAYI : Metabolism of glycoproteins (Interaction between concanavalin A and brain lysosomal acid hydrolase). [ Bioc-75-2042. ]
- SUKHESWAR MANDAL : Protein synthesis by cell organelles from germinating wheat (*Triticum aestivum* L.) : Effects of plant



- growth hormones ascorbic acid and other inhibitors on the process. [ Bioc-75-2043. ]
- SM. KALYANI KAR : Studies on serum potassium in health disease in Indians. [ Bioc-75-2044. ]
- SUBODHKUMAR KANJI : Studies on some poisonous plants of forensic interest. [ Bioc-75-2045. ]
- BISWENDUBIKAS GOSWAMI : Protein synthesis in in vitro system in mitochondria from different sources. [ Bioc-75-2046. ]
- SAMIR RANJAN CHAUDHURI : Studies on brain glutaminase. [ Bioc-75-2047. ]
- SOMSANKAR DASGUPTA : Biochemical studies on Forssman hapten. [ Bioc-75-2048. ]
- DWIJEN SARKAR : Protein metabolism in developing rat brain. [ Bioc-75-2049. ]
- SM. KABERI CHAKRABARTI (MRS. MUKHOPADHYAY) : Protein and Vitamin C metabolism under low oxygen tension. [ Bioc-75-2050. ]
- HEMANTAKUMAR MAJUMDAR : Studies on the regulations of cell division with special reference to chromatin. [ Bioc-75-2051. ]
- RABINDRANATH DE : Studies on the biochemical aspects of pigment metabolism. [ Bioc-75-2052. ]
- HIRENDRANATH DATTA : Biochemical studies in experimental animals under stress with special reference to the effect of alcohol administration in rats exposed to normal and acute hypoxic conditions. [ Bioc-75-2053. ]
- SANDIPNARAYAN SINHA : Studies on some of the aspects of Nucleic Acid metabolism in muscle and transplanted fibrosarcoma. [ Bioc-76-2054. ]
- SM. JAYASRI BASU : Interrelationship between protein and lipid biosynthesis in normal and malignant tissues. [ Bioc-76-2055. ]
- VINAY KUMAR ARORA : Lectins and their use in characterisation of immunological materials derived from human and animal sources. [ Bioc-76-2056. ]
- INDUBHUSAN MAITI : Phytase and phytin metabolism in plants. [ Bioc-76-2057. ]
- BARUNKUMAR DE : Isolation and characterisation of Antithiamine factor present in Rice-Bran. [ Bioc-76-2058. ]
- DIPAKKUMAR BANDYOPADHYAY : Studies on Glycoproteins (urinary glycopeptide and glycoprotein). [ Bioc-76-2059. ]
- TAPASKUMAR CHATTOPADHYAY : Studies on the mode of action of mycobacillin, a polypeptide antibiotic on Leishmania donovani. [ Bioc-76-2060. ]
- BIMALKUMAR RAY : Some biochemical and immunological studies on transplanted fibrosarcoma. [ Bioc-76-2061. ]
- SM. RATNA MUKHOPADHYAY (MRS. MAITRA) : Some aspects of transport phenomena and metabolism in protozoa Leishmania donovani. [ Bioc-76-2062. ]
- PRADIP GHOSH DASTIDAR : Metabolic studies on Vibrio cholera. [ Bioc-76-2063. ]
- RAKHAHARI DAS : Role of thyroid on the synthesis of protein in submaxillary gland with special reference to peroxidase. [ Bioc-76-2064. ]
- SM. DIPALI RUDRAPAL : Studies on several lysosomal enzymes and enzymes related to L—ascorbic acid metabolism under varying nutritional conditions. [ Bioc-76-2065. ]
- PRABHASCHANDRA BERA : Biochemical studies on the effects of Hormones on membrane properties with special reference to neonatal administration of sex—hormones on developing rat brain. [ Bioc-76-2066. ]
- JAGANMOY BHATTACHARYYA : Biochemical and Nutritional studies of the antithiamine factor present in mustard seed (Brassica juncea). [ Bioc-76-2067. ]
- AMAR CHATTOPADHYAY : Studies on some



- vegetable poisons of forensic interest.  
[ Bioc-76-2068. ]
- JYOTIRMAY NANDI : Evaluation of versicolia on antifungal antibiotic.  
[ Bioc-76-2069. ]
- GOPAL BHATTACHARYYA : Studies on the mechanism of antimetabolite resistance in vibrio eltor.  
[ Bioc-76-2070. ]
- SIBNATH GHATAK : Studies on some aspects of carbohydrate transport in Leishmania donovani.  
[ Bioc-76-2071. ]
- SM. GOPA MITRA : Biochemical studies on the action of 9 Tetra hydro cannabinol.  
[ Bioc-76-2072. ]
- SM. KETAKI BASAK : Studies on the Biosynthesis of Kanamycin.  
[ Bioc-76-2073. ]
- SM. HASIRANI BERA : Studies on several Lysosomal enzymes in Rat-brain tissues under the influence of physiological and nutritional alterations.  
[ Bioc-76-2074. ]
- SM. JABA CHATTOPADHYAY : Studies on the effects of isarious physiological factors on Lysosomal enzymes and ascorbic acid metabolizing enzymes in animals.  
[ Bioc-76-2075. ]
- SM. ALPANA DHAR : Nature, composition and synthesis of lipid in germinating seeds of soylecan glysene max.  
[ Bioc-76-2076. ]
- SM. LINA SARKAR : Isolation, characterisation and biochemical studies of the anti-thiamina factor present in cotton seed (Bomley malabericum).  
[ Bioc-77-2077. ]
- ASITBARAN KUNDU : Biochemical studies on rice plant with special reference to photosynthesis.  
[ Bioc-77-2078. ]
- KANAKENDU CHAUDHURI : Protein and R.N.A. biosynthesis in malignant cells in relation to antitumour drugs.  
[ Bioc-77-2079. ]
- SUJIT KUMAR GUHA : Urea biosynthesis in human features.  
[ Bioc-77-2080. ]
- BIMALENDU DASMAHAPATRA : Studies on mow Dextranases.  
[ Bioc-77-2081. ]
- KALYAN CHAKRABARTI : Studies on the intestinal absorption of different tetracyclines and chloramphenicol in vitro.  
[ Bioc-77-2082. ]
- SANDIPKUMAR BATABYAL : Studies on antibiotics in health and disease with special references to their metabolic activity.  
[ Bioc-77-2083. ]
- DHARMENDRA SWARUP : Studies on the role of vitamin A and Zinc in male gonads.  
[ Bioc-77-2084. ]
- SM. SIPRA CHAUDHURI : Studies on effects of interesterification of fats on cholesterol metabolism in experimental rats.  
[ Bioc-77-2085. ]
- PRANAB ROY : Studies on Eukaryotic R.N.A. synthesis in relation to plant Hormone Receptor proteins.  
[ Bioc-77-2086. ]
- SM. DHRUBA CHAUDHURI : Biochemical studies on Toxemia of Pregnancy.  
[ Bioc-77-2087. ]
- SM. INDRANI KAR : Action of some antitumour drugs on Nucleic acid synthesis of transplanted tumours.  
[ Bioc-77-2088. ]
- SANDIP SAHA : Biochemical studies on Goat Brain Gangliosides.  
[ Bioc-77-2089. ]
- SM. GITA DATTA : Development of structure and function of Human faetal Liver, Kidneys and Lungs.  
[ Bioc-78-2090. ]
- SM. SIBANI MUKHOPADHYAY : Roles of various hormones and reagents on the in vitro formation of crythropoietin.  
[ Bioc-78-2091. ]
- SM. MANJULIKA DE (MRS. CHANDRA) : Studies on U.D.P Glucose-4-epimerase from goat brain.  
[ Bioc-78-2092. ]
- CHITTAPRIYA SARKAR : Studies on the action of cannabis on membranous lipid metabolism (with special reference to the action of Delta-9 Tetra hydrocannabinol and other addictive drugs on Phospholipids and Gangliosides.  
[ Bioc-78-2093. ]



- DIPAK CHAKRABARTI: Studies on L. ascorbic acid metabolism. [ Bioc-78-2094. ]
- ACHYUTMOHAN SINHA: Biochemical studies on the Antimetabolite resistance in vibrio cholerae. [ Bioc-78-2095. ]
- PANCHUGOPAL RAY: Studies on the Anti-microbial activity of some Indian plants. [ Bioc-78-2096. ]
- SM. ANURADHA BANDYOPADHYAY: Studies on the action of Neuropharmacological agents. [ Bioc-78-2097. ]
- SABYASACHI GANGOPADHYAY: Biochemical studies on Endometrial Tissue. [ Bioc-78-2098. ]
- SUNIL DAS: Role of the D.N.A. binding Proteins of Bacteria in Nucleic Acid Metabolism. [ Bioc-78-2099. ]
- RAMDAS CHATTOPADHYAY: Studies on nuclear histones and acidic proteins of brain in different animal species. [ Bioc-78-2100. ]
- SUBINAY GANGOPADHYAY: Eukaryotic synthesis of RNA in vivo and in vitro. [ Bioc-78-2101. ]
- SM. SRILATA BAGCHI: Studies on yeast lipids. [ Bioc-78-2102. ]
- PIJUSHKANTI DAS: Biochemical studies on Agrobacterium tumefaciens in relation to Agrocin Resistance. [ Bioc-79-2103. ]
- MAITRIYI BANDYOPADHYAY: Studies on Glutamine Synthetase activity in relation to malignancy. [ Bioc-79-2104. ]
- SUMITRA NAG: Biochemical Studies on Spermatozoal Enzymes. [ Bioc-79-2105. ]
- SUBHAHCHANDRA DATTA: Biochemical studies on Citrooviridin. [ Bioc-79-2106. ]
- SM. MITALI GUHA: In Vitro formation of thyroid hormones by submaxillary gland and demonstration of the existence of an inhibitor of iodination reaction. [ Bioc-79-2107. ]
- SM. CHAMELI GANGOPADHYAY: Mucopolysaccharides, water and Electrolytes of human fetal Organs. [ Bioc-79-2108. ]
- AMITABHA CHATTOPADHYAY: Studies in Pigment Metabolism in relation to vitiligo. [ Bioc-79-2109. ]
- ATASI GUHA: Ascorbic acid metabolism and hyperglycemia. [ Bioc-79-2110. ]
- SM. BULA BHATTACHARYYA: Studies on the action of Delta-9-tetra Hydrocannabinol on lung. [ Bioc-79-2111. ]
- PRASANTAKUMAR MITRA: Studies on the antithiamine Factor present in Rats. [ Bioc-79-2112. ]
- SM. BANDITA SARANG: Studies on wasp venom. [ Bioc-79-2113. ]
- DEBNARAYAN CHAKRABARTI: Studies on Phospholipase from Neurospora Crassa. [ Bioc-79-2114. ]
- ANUPKUMAR GUIN: Biochemical effects of different Antiestrogens on female Reproductive function. [ Bioc-79-2115. ]
- SOMNATH BANDYOPADHYAY: Certain Aspects of Ascorbic acid Metabolism. [ Bioc-79-2116. ]
- SUDHIN RAY: Biochemical studies of heart tissue and of Serum under normal and diseased condition. [ Bioc-79-2117. ]
- SM. MINAKSHI SEN: Studies on Inter-generic Transfer of R Factors in Bacteria. [ Bioc-79-2118. ]
- ANILCHANDRA DEB: Studies on serum aldolase in health and in some diseases. [ Bioc-80-2119. ]
- BITANBINDU BANDYOPADHYAY: Studies on serum amylase in health and in diseases in Indians. [ Bioc-80-2120. ]
- SM. BANI BARAL: Studies on Serological properties and Blood Group Detriment Mucopolysaccharides of plant seed extracts. [ Bioc-80-2121. ]
- SM. MARIAM M. DOHADWALA: Studies on some enzymes of carbohydrate metabolism in relation to carcinogenesis. [ Bioc-80-2122. ]
- SURYASANKAR PANIGRAHI: Metabolic



- Studies on seed germination.  
[ Bioc-80-2123. ]
- SAMIRKUMAR SAHA : Studies on pesticides and their metabolites with special reference to Ethyl parathion.  
[ Bioc-80-2124. ]
- JYOTIPRAKAS CHATTOPADHYAY : Control of Fungal infections by antifungal antibiotics.  
[ Bioc-80-2125. ]
- MALAYKANTI RAYCHAUDHURI : Chemical and Biochemical studies on penicillin and its producer organism penicillium chrysogenum and studies on Halobacterium.  
[ Bioc-80-2126. ]
- ANILKUMAR GHOSH : Submerged fermentation of Mushrooms.  
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- SEKHAR CHAKRABARTI : Studies on enzymatic synthesis of inositol polyphosphates.  
[ Bioc-80-2128. ]
- SYAMAL RAYCHAUDHURI : Role of induced bacterial infection in tumor immunity.  
[ Bioc-80-2129. ]
- SM. MANJUSRI DAS : Studies on some biological membranes.  
[ Bioc-80-2130. ]
- SANJAY GHOSH : Biochemical studies on vibrio cholerae under normal and anti-metabolite resistant condition.  
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- TAPANKUMAR CHATTOPADHYAY : Biochemical study of foetal and placental tissues of humans (with special reference to Human placental and foetal brain alkaline phosphate.)  
[ Bioc-80-2132. ]
- PRAMATHARANJAN BHATTACHARYYA :  
Studies on certain aspects of physiology antibiotic resistant intestinal lactobacilli in relation to their survival in the intestine of the host.  
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- SM. BULBUL CHATTOPADHYAY : Studies on Phosphoglyceride hydrolyzing enzymes in (1) Saccharomyces cerevisiae (2) Neurospora crassa conidia.  
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- AMBIKACHARAN BANDYOPADHYAY : Biochemical studies on tubulin Microtubule system.  
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- SUBHASHCHANDRA BASAK : Biochemical action of amphetamine in brain.  
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- SM. BIBHA BASU : Biochemical studies on vibrio parahaemolyticus.  
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- JASWANT RAI SETHI : Chemical and Biochemical studies on some drugs of forensic interest.  
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- GAUTAM CHAKRABARTI : Studies on the Biochemical action of different psychopharmacognosic Drugs.  
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- SM. TAPATI DAS : Studies on the cytochemical changes related to pantathenate metabolism in streptococci.  
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- SM. UDITA GHOSH : Studies on Isoenzymes of Lactic Dehydrogenase Malic Dehydrogenase and Malic Enzyme of Brains in different species of animals and human beings.  
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- MURARIMOHAN CHAUDHURI : Studies on the effects of Caffeine on macromolecular synthesis and on chromosome in Ehrlich Mouse ascites tumor cells.  
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- SM. JHARNA MUKHOPADHYAY : Studies on nucleotide triphosphatase with special reference to ATPase from Minosa Pudica (in relation to contractile proteins and movements of the leaves.)  
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- SM. SUNANDA SENGUPTA : Studies on non-Lipid constituents of some minor oilseeds.  
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- ANIS SENMAJUMDAR : Studies on the immunological mechanisms in cholera.  
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- ASOKKUMAR CHAKRABORTI : Studies on pigment metabolism in relation to Leucoderma.  
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- ATANU BHATTACHARYYA : Regulations of L-Ascorbic Acid metabolism in developing and adult conditions.  
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- T. S. BALGANESH : Origin of R—factors Antibiotic producing organisms as a source of foreign nucleic acids. [ Bioc-81-2148. ]
- BIJANKUMAR GHOSH : Studies on immobilized Trypsin and papain on molecular sieve 4A. [ Bioc-81-2149. ]
- SM. KALPANA KAR : Studies on chemical and biochemical aspects of some natural and modified fats. [ Bioc-81-2150. ]
- BISHNUPADA DE : Some of the enzymes implicated in the novel metabolic cycle of myoinositol phosphates during germination of seeds. [ Bioc-81-2151. ]
- SUKUMAR MEDDA : Investigation on thermostable L—amylase production by some bacterial isolates. [ Bioc-81-2152. ]
- ANJAN SEN : Biochemical studies on the effects of dietary fats on hearts and in human cases. [ Bioc-81-2153. ]
- KAMALES CHATTOPADHYAY : Biochemical studies on the action of organo-chlorine Insecticides. [ Bioc-81-2154. ]
- SIDDHARTHA DAS : Studies on the effect of Bento Diazepines and imipramines on foetal brain. [ Bioc-81-2155. ]
- SM. RITA DATTA : Studies on the chemical and biochemical properties of Sun-flower seed oil grown in West Bengal. [ Bioc-81-2156. ]
- SM. DIPTI MAJUMDAR : Studies on certain aspects of fingerprinting foods. [ Bioc-81-2157. ]
- SM. KANA BRAHMACHARI : Biochemical and nutritional studies on the effects of several environmental agents in the animal system. [ Bioc-81-2158. ]
- SUBIRANJAN SARKAR : Biochemical studies on acrosin and its inhibition. [ Bioc-81-2159. ]
- JYOTIRMAY KUSARI : Biochemical studies on the developing human placental and foetal tissues. [ Bioc-81-2160. ]
- SM. PAPIYA BANDYOPADHYAY : Effect of Contraceptive steroids on the Activity of some Enzymes and Protein pattern in human and mammalian system. [ Bioc-81-2161. ]
- ASISKUMAR SAHA : Biochemical Profiles of human seminal fluids. [ Bioc-81-2162. ]
- SM. PARSHATI SEN : Study of the distribution pattern of various proteins in blood serum with special reference to Gamma Globulin in health and in some diseases in Indians. [ Bioc-81-2163. ]
- AMAL KUMAR CHATTOPADHYAY : Carbonic anhydrase in the excretory system of amphibia [ Bioc-81-2164. ]
- SM. MITALI BASU : Biochemical studies on Agrobacterium tumefaciens in relation to agrocin resistance and Crown Gall inducing potency. [ Bioc-81-2165. ]
- SAGARCHANDRA SAHA : Studies on extracellular Enzymes of Jute pathogenic fungi. [ Bioc-81-2166. ]
- SM. SUMITRA DEB : Studies on some aspects of the mechanism of Dehydroascorbic acid reduction in animal tissues. [ Bioc-81-2167. ]
- SUBHENDU SOM : Inter-relationship of ascorbic acid metabolism and hyperglycemia. [ Bioc-81-2168. ]
- CHANDAN CHAKRABORTI : Studies on Pigment metabolism in relation to vitiligo. [ Bioc-81-2169. ]
- MADHAI MANDAL : Biochemical studies on the White and Black skins of guineapigs. [ Bioc-81-2170. ]
- REBATIMOHAN CHATTOPADHYAY : Comparative Biochemical and Histological studies of adrenal cortex in different species under normal condition and during stress. [ Bioc-81-2171. ]
- SAUMYENDRANATH SARKAR : Studies on the molecular mechanisms of DNA Repair. [ Bioc-81-2172. ]
- KUNAL RAY : Studies on Bio-Chemical interaction of antimetabolic drugs on Tubulin. [ Bioc-81-2173. ]
- DEBASIS SEN : Studies on the allelochemic



- properties of the Secondary plant constituents. [ Bioc-81-2174. ]
- TAPANKUMAR BISWAS : Biochemical studies during germination of seeds. [ Bioc-81-2175. ]
- SM. SWATI PALIT : Protein and nucleic acid metabolism in plant mitochondria. [ Bioc-81-2176. ]
- SM. PURABIRANI MITRA : Protein and nucleic acid synthesis in mitochondria from different sources. [ Bioc-81-2177. ]
- SUBHASHCHANDRA SAHA : Biochemical and histological studies of hormonal contraception in male rat. [ Bioc-81-2178. ]
- SM. PRATIMA MUKHOPADHYAY : Passage of viral antibodies across the placental barrier. [ Bioc-81-2179. ]
- DEBKUMAR CHATTOPADHYAY : Evidence for the existence of a protein in the sub-maxillary gland as a substrate for biological iodination. [ Bioc-81-2180. ]
- SATYABRATA MUKHOPADHYAY : Mode of Action of Mycobacillin. [ Bioc-81-2181. ]
- SM. JAYASRI SUR : Effects of amines on Fibrinogen level. [ Bioc-81-2182. ]
- DEBASIS MUKHOPADHYAY : Ascorbic acid and dehydroascorbic acid metabolism in diseases and stressful condition. [ Bioc-81-2183. ]
- SM. SUNITI MISRA : Studies on the yeast lipids of rhodotorula species. [ Bioc-81-2184. ]
- KAMALKUMAR DAS : Biochemical and nutritional studies of airbreathing fishes under different ecological conditions. [ Bioc-82-2185. ]
- SANTUKUMAR BANDOPADHYAY : Studies on the fatty acid-requiring and acetate non-utilising mutants of aspergillus species. [ Bioc-82-2186. ]
- SM. NABANITA SENGUPTA : Biochemical studies on blood of human mental patients. [ Bioc-82-2187. ]
- ABHAYSANKAR CHAKRABORTI : Biochemical studies on human placental tissue. [ Bioc-82-2188. ]
- SM. SIKHA ROUTH : Studies on the regulation of nitrogenase in *Spirillum lepoferum*. [ Bioc-82-2189. ]
- SAILEN BARIK : Studies on the polylysogens of bacteriophage lambda. [ Bioc-82-2190. ]
- AJAYKUMAR GHOSH : Production of antimicrobial agents from streptomyces species. [ Bioc-82-2191. ]
- DEBKUMAR PAIN : Studies on enzyme-linked immunoassay systems. [ Bioc-82-2192. ]
- SM. TRIPTI MAJUMDAR : Studies on a galactose binding lectin from *Momordica charantra*. [ Bioc-82-2193. ]
- AJOY KUMAR SINHA : Studies on the status of immunological competence in Nutritional anaemias. [ Bioc-82-2194. ]
- KALYANKUMAR BHATTACHARYYA : Studies on Membrane bound Ansein Receptors. [ Bioc-82-2195. ]
- PRAHLADCHANDRA GHOSH : Ligand-mediated uptake of biologically active molecules and drugs by different tissues. [ Bioc-82-2196. ]
- GAUTAMKUMAR BANDYOPADHYAY : Metabolism of essential fatty acids in fish. [ Bioc-82-2197. ]
- SM. AMITA CHAUDHURI : Studies on extra cellular lysine production by soil isolated bacteria. [ Bioc-82-2198. ]
- GOBINDA SARKAR : Characterization of mitochondrial protein and nucleic acid synthesis in plant. [ Bioc-82-2199. ]
- SANKARPRASAD GHOSH : Biochemical studies of  $\Delta^9$ -THC (Delta 9-Tetrahydro Cannabinol) on male reproductive system. [ Bioc-82-2200. ]
- NIRMALKUMAR ROY : Biochemical characterization of alkaline phosphates of vibrio cholerae. [ Bioc-82-2201. ]
- SM. BASANA GHOSHAL : Studies of serum alkaline phosphates and serum trans-



- aminases activity in health and in some diseases in Indians. [ Bioc-82-2202. ]
- SIBSANKAR BHAR : Biochemical studies on the role of cervical mucus in human reproduction. [ Bioc-82-2203. ]
- PRATAPKUMAR DAS : Studies on indoleamine metabolism in animal tissues with special reference to pigment formation. [ Bioc-82-2204. ]
- ASITKUMAR NANDI : Biology and Biochemistry of the basic proteins in Fish spermatozoa. [ Bioc-82-2205. ]
- SM. HEMLATA PAL : Some Physico-chemical properties of the binding of 4—41 Diaminodiphenyl Sulphone to the plasma proteins. [ Bioc-82-2206. ]
- AJAYKUMAR SAMANTA : Studies on the mapping of active site of UDP—Glucose-4-Epimerase from *Saccharomyces fragilis*. [ Bioc-82-2207. ]
- JAGATJYOTI MUKHOPADHYAY : Studies on Inorganic Pyrophosphatase in green leaves. [ Bioc-82-2208. ]
- SWARUPKUMAR PAL : Some studies in vitiligo with special reference to inter relationship between Thyroid Pituitary and Adrenal Cortex. [ Bioc-82-2209. ]
- SAJAL CHAKRABARTI : Biochemical effects of Pesticide in germinating seeds. [ Bioc-82-2210. ]
- ARUNIK SANYAL : Studies on Fungal cellulolytic Enzymes. [ Bioc-82-2211. ]
- PRATAPKUMAR MUKHOPADHYAY : Biochemical and Pathobiological studies on the toxicity of malathion in the air breathing fish *Clarias batrachus* (Linnaeus). [ Bioc-82-2212. ]
- SANTOSHKUMAR SARKAR : Cytogenetics of some Angiospermous families and investigation on the effect of chemicals on chromosomes. [ Botn-57-2213. ]
- SM. ANJALI SARKAR : Investigations on *Ganoderma lucidium* (Leyss) karst. [ Botn-57-2214. ]
- BIRENDRA BIJAY BISWAS : A cytochemical and biochemical study on Cyanophyceae with special reference to nucleic acids. [ Botn-58-2215. ]
- MADHO GOVIND SRIVASTAVA : Cytological and cytotaxonomical studies in Leguminosae. [ Botn-58-2216. ]
- NRIPENDRAKUMAR BHATTACHARYYA : Some experimental aspects on the cytogenetics of spices and some fundamental studies on the chromosomes of plants. [ Botn-58-2217. ]
- PARITOSH SANYAL : Study on the cytological genetical and cultural aspects of fibre yielding *Hibiscus*. [ Botn-58-2218. ]
- PRAPHULLA CHANDRA DATTA : Study of chromosome structure and behaviour and of chemical mutagenesis in certain plants. [ Botn-58-2219. ]
- SM. MADHURI DATTA : Phosphorus Metabolism in Higher Plants. [ Botn-58-2220. ]
- KRISHNA SENGUPTA (MRS. MUKHOPADHYAY) : Study of different wilt producing strains of *Pseudomonas solanacearum* Erw. smith occurring in West Bengal with reference to their control. [ Botn-58-2221. ]
- NIRANJAN PAL : Embryological and cytological studies in some families of Dicotyledons. [ Botn-58-2222. ]
- SM. MIRA PURKAYASTHA : Studies on antibiotics produced by bacteria. [ Botn-58-2223. ]
- SM. DIPTI BHATTACHARYYA (MRS. MUKHOPADHYAY) : (i) A cytological analysis of different species and agricultural strains of *Sorghum*; (ii) Development and application of cyto-chemical techniques for the study of chromosome structure. [ Botn-59-2224. ]
- JYOTIPRASANNA BHATTACHARYYA : Studies on the physiology of *Penicillium* species with special reference to reproduction. [ Botn-59-2225. ]
- SM. MAYA KORAH : Cytotaxonomical radi-



- tion and cytological studies in *Oryza*.  
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- SM. ARATI MAJUMDAR : On chromosome studies of a number of fruit plants, their allies and forms and study of response of chromosomes to chemical application.  
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- SM. CHINMOYEE DASGUPTA : Study on the behaviour of different strains of *Helminthosporium oryzae* Brada de Haan.  
[ Botn-60-2228. ]
- SM. MAYA KUNDU : Physiology of rice plants.  
[ Botn-60-2229. ]
- ANICKASERIL PAL MANI : Investigations on the anatomy of weeds and selective weed control.  
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- ARYAKUMAR BAL : Investigations on chromosome susceptibility to different compounds including the subnarcotics and cytological studies on *Citrus* and some other genera of higher plants.  
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- NIRMALENDU MUKHOPADHYAY : Studies on the diseases of *Hibiscus sabdariffa* and *H. cannabinus* with special reference to the root and stem rot of *H. sabdariffa* caused by *Ptytophthora parasitica*.  
[ Botn-61-2232. ]
- SM. SUNANDA PAL : The life history of *Polypodiaceae* and *Parkeriaceae*.  
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- UPENDRACHANDRA BHATTACHARYYA : Application of recent techniques to the elucidation of structure and behaviour of chromosomes in a number of angiospermous plants with special reference to those reproducing through vegetative means.  
[ Botn-61-2234. ]
- SM. BIDYUT GANGOPADHYAY : Studies in the morphology, embryology and cytology of *Pandanales*.  
[ Botn-61-2235. ]
- BIRESWAR GUPTA : Pharmacognostic studies with special reference to the quantitative microscopy of the leaves of *Solariaceae* plants.  
[ Botn-61-2236. ]
- INDUSEKHAR BISWAS : Anatomical, cytological and embryological investigations of some *Asclepiadaceae*.  
[ Botn-61-2237. ]
- VIDYADHAR NILKANTH GADGIL : Abnormal plant growth : Physiological studies on Crown gall tumour tissue of Hollyhock (*Althaea rosea*).  
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- HRIDINDRANATH CHAUDHURI : Pharmacognostic studies on some Indian medicinal plants.  
[ Botn-61-2239. ]
- AJITKUMAR MISRA : Studies on the ultraviolet induced mutations in *Aspergillus niger*.  
[ Botn-61-2240. ]
- SM. MAHARANI CHAKRABORTI : Studies on the microbial protein synthesis with *Azotobacter vine-landii* as the test with an appendix on "Oxidative and reductive pentose phosphate pathways in plants."  
[ Botn-61-2241. ]
- SM. ARCHANA SENGUPTA : Studies on the effect of growth regulating substance on metabolic changes in plant tissues.  
[ Botn-62-2242. ]
- SM. REKHA GHOSH : Microscopical studies on the degradation of jute fibre by micro-organisms.  
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- PRITINDRAMOHAN NAHA : Studies on the production of antibiotics by *Streptomyces* strain A C<sub>14</sub>-475.  
[ Botn-62-2244. ]
- NANDAKUMAR CHATTOPADHYAY : Cytological and morphological investigations of certain species of mosses and some higher plants.  
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- DURGAPRASANNA BHATTACHARYYA : Physiology of the rice plant in relation to nutrient deficiency.  
[ Botn-62-2246. ]
- SATYABRATA MUKHOPADHYAY : Chromosome studies on species and hybrids of *Oryza* and other angiospermous plants with the aid of improved methods.  
[ Botn-62-2247. ]
- ASOKKUMAR CHATTOPADHYAY : Studies on the cytology of different orchid genera



- and a number of other angiospermous plants and response of chromosomes to treatments with different agents.  
[ Botn-62-2248. ]
- SM. SAKUNTALA BASU : Studies on Ascorbigen. [ Botn-62-2249. ]
- RABINDRAMOHAN DATTA : Cytological and cytogenetical studies in jute.  
[ Botn-62-2250. ]
- SM. MANDIRA CHAUDHURI : A study of chromosomes of certain groups of plants and the effect of chemical treatment on plant nuclei. [ Botn-62-2251. ]
- SM. MADHURI BARUA : Cytology of apocynaceas and modification of cell behaviour through chemicals : Genetics of Anthocyanin pigmentation and some quantitative characters in rice.  
[ Botn-62-2252. ]
- AMIYA KUMAR SARKAR : Study of structure and behaviour of chromosomes and their susceptibility to chemical and physical agencies. [ Botn-63-2253. ]
- SUJIT KUMAR PURKAYASTHA : Anatomical studies of the secondary xylem and phloem of Indian trees. [ Botn-63-2254. ]
- PRASANTA KUMAR SENGUPTA : Studies on some species of *Fusarium* inciting wilt diseases of pulses in West Bengal.  
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- SMT. SUMITRA SEN : Cytotaxonomic studies in members of Nymphaeaceae and study of chromosome breakage due to orcein treatment. [ Botn-63-2256. ]
- G. GOPALAN NAYAR : Cytogenetic responses of X-Gamma and  $\beta$ -radiations on *Sesamum* and *Brassica* and an analysis of induced mutations. [ Botn-63-2257. ]
- SM. ARATI SARKAR : Studies on the development of improved strains of *Aspergillus niger* for citric acid production.  
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- RANJIT MALLIK : Cytological Study of the inter-relationships of *Aloine* and some other genera of higher plants and chemical investigations leading with nucleoprotein metabolism with special reference to the behaviour of chromosomes.  
[ Botn-64-2259. ]
- RABINDRAKRISHNA MUKHOPADHYAY : Studies in the physiological effects of gibberellin action in crop plants.  
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- SM. ASALATA PAL : Studies on the production of antifungal antibiotic from *Streptomyces* spp. [ Botn-64-2261. ]
- BALEN NANDI : Investigations on certain aspects of the biology of some wood-rotting Basidiomycetes. [ Botn-64-2262. ]
- SM. LATIKA DANDA : Glycolytic enzymes in higher plants. [ Botn-64-2263. ]
- SM. MANJUSRI SEN : Studies on wood destroying fungi—Indian species of fomes and termites. [ Botn-65-2264. ]
- SM. MALABIKA GHOSH : Cytogenetical and embryo cultural work in rice (*O. sativa* L.) and related species. [ Botn-65-2265. ]
- RANJIT RAYCHAUDHURI : Studies on some aspects of nucleic acid metabolism in plants. [ Botn-65-2266. ]
- RASBIHARI GHOSH : Anatomical, cytological and embryological investigations of some members of Rutales. [ Botn-65-2267. ]
- BASUDEO VERMA : Genetic effects of chronic gamma radiation on proembryos of corn.  
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- SM. SUSWETA SEN : Biochemical studies on chloroplasts. [ Botn-65-2269. ]
- SM. P. S. SURAJA (MRS. GOPALA KRISHNAN) : Effect of growth substances on the growth and metabolism of the rice plant. [ Botn-65-2270. ]
- BISWANATH MUKHOPADHYAY : Study of chromosomes in relation to phylogeny and alteration in their structure and behaviour through treatment with chemical agencies.  
[ Botn-65-2271. ]
- ARUNKANTA CHAKRABORTI : Enzymatic synthesis of RNA and its role in protein synthesis. [ Botn-65-2272. ]





- SANKARLAL CHAKRABORTI : Studies on the ultraviolet induced mutants of *Streptomyces* species. [ Botn-65-2273. ]
- SM. BHARATI DE : Viability and germination inhibitor from seeds of different varieties of rice. [ Botn-65-2274. ]
- SM. ANIMA DE : Cytological and anatomical studies as an aid in tracing affinity and phylogeny in the family Acanthaceae. [ Botn-65-2275. ]
- GOLOKENDRANATH BHATTACHARYYA : Investigation on (1) the study of structure and behaviour of chromosomes as an aid in the interpretation of affinities and (2) the response of chromosomes to antibiotic treatment. [ Botn-65-2276. ]
- SM. TAPATI CHATTOPADHYAY : Studies on chromosomes structure and behaviour and cytological changes in relation to speciation in some of the angiospermous genera. [ Botn-66-2277. ]
- SM. ARATI BHANJA : Growth regulators in some tropical plants. [ Botn-66-2278. ]
- NIMAICHANDRA MAJUMDAR : Taxonomic revision of Indian Caryophyllaceae. [ Botn-66-2279. ]
- PRADYOTKUMAR GANGOPADHYAY : Radiation induced mutation spectrum on green gram *Phaseolus aurens* roxle and cytogenetical analysis of the mutants. [ Botn-66-2280. ]
- KALIPADA SARKAR : Studies in the physiology of mango in relation to its storage. [ Botn-66-2281. ]
- SIBDAS GHOSH : Comparison of the effects of different physical and chemical agents on chromosomes and the importance of chromosome study in living affinities between species. [ Botn-66-2282. ]
- SM. D. TULSI RAJU : Study of the structure and behaviour of chromosomes in some dicotyledonous and monocotyledonous members and implications of these findings in interpreting interrelationship. [ Botn-66-2283. ]
- SM. DIPALI DE : Study of species affinities through investigations on structure and behaviour of chromosomes [ Botn-66-2284. ]
- SUBHENDU MUKHOPADHYAY : The effects of heavy fertilisation on the nutrition of the rice plant in relation to yield and mineral uptake. [ Botn-66-2285. ]
- RAJAT KANTI CHAUDHURI : Alteration in the structure and behaviour of chromosomes through treatments with physical and chemical agencies and chromosome studies in relation to taxonomy of some vascular plants. [ Botn-66-2286. ]
- SM. SUMANA GANGOPADHYAY : The effect of root extract of water hyacinth on anatomy and physiology of crop plants. [ Botn-67-2287. ]
- TARAPADA CHATTOPADHYAY : Studies on the factors affecting modification of chromosomes behaviour by different agents and importance of chromosomes study in tracing species affinities. [ Botn-67-2288. ]
- AMALKUMAR BASU : Cytogenetical and irradiation studies in rice. [ Botn-67-2289. ]
- SANTOSHRANJAN DAS : Studies on the effects of different plant extracts and synthetic chemical compounds on *Entamoeba histolytica* and related intestinal bacteria. [ Botn-67-2290. ]
- SAKYASINHA SARKAR : Cytogenetical, anatomical and irradiation studies in some of the members of Papilionaceae. [ Botn-67-2291. ]
- ARUNKUMAR RAYCHAUDHURI : Quantitative studies on natural and induced variation in Aman (Winter) paddy. [ Botn-67-2292. ]
- SM. RATNA SEN : 1. Relation of Polyploidy to nodule development, 2. Variation in the number distribution and effective volume of nodules in a few local legumes, 3. A



- study of variation in morphological characters of *Rhizobium* isolated from common legumes and their cross inoculation relationship. [ Botn-67-2293. ]
- RADHANATH SAHU : Studies on the weed flora of Midnapore and their control. [ Botn-67-2294. ]
- KALYANKUMAR KUNDU : The physiology of lodging behaviour in relation to Carbohydrate metabolism cell wall thickening matter and anatomical changes of the rice plant. [ Botn-68-2295. ]
- AMALKUMAR MUKHOPADHYAY : Morphogenesis and cytology of nodules of some common legumes. [ Botn-68-2296. ]
- RATIKANTA MAITI : Cytology and anatomy of some of the medicinal plant species and an investigation on certain aspects of the weed flora of Bengal. [ Botn-68-2297. ]
- KAMALKRISHNA SARKAR : Physiological studies of wild rice. [ Botn-68-2298. ]
- NITYANANDA DATTA : Investigation on several genera of the family Euphorbiaceae with special reference to their cytology and other aspects. [ Botn-68-2299. ]
- SM. REKHA BASU : Studies on the antifungal activity of fungi from soils of West Bengal. [ Botn-68-2300. ]
- SM. MADHURI MAJUMDAR : (i) Comparative study of embryology of different Paddy varieties and wild species of *Oryza* (ii) Effects of temperature on embryo development and endosperm formation in *Browallia elasa* and *Lycopersicum esculentum* (iii) A study of histochemical changes in the embryo during pre and post fertilisation stages. [ Botn-68-2301. ]
- SM. GITA BHATTACHARYYA : Studies on induced mutation in *Aspergillus clavari*. [ Botn-68-2302. ]
- PRITISADHAN BASU : Physico-Chemical studies on staining with special reference to gram staining. [ Botn-68-2303. ]
- BHUPENDRANATH SANYAL : Cytotaxonomic study with special reference to members of Cyperaceae and response of chromosomes to different treatments. [ Botn-69-2304. ]
- RATHINKUMAR CHAKRABARTI : Studies on the physiological changes in crop plants induced by growth regulators. [ Botn-69-2305. ]
- SM. IRA DATTA : Cytotaxonomic study of several monocotyledonous genera and the cytological analysis of the effect of some chemical and physical agents on chromosomes of some important crop species. [ Botn-69-2306. ]
- AJITKUMAR GANGOPADHYAY : Investigations on some aspects of the biology of *Microporus xanthopus* fr. ex. fr. Pat. [ Botn-69-2307. ]
- SM. PRATIMA RAYCHAUDHURI : Cytological and anatomical studies on some members of the family Boraginaceae. [ Botn-69-2308. ]
- BALARAM MAJUMDAR : Cytogenetical and irradiation studies in paddy. [ Botn-69-2309. ]
- MADANMOHAN BASU : X-ray irradiation of a few recommended varieties of rice (*Oryza sativa*) of West Bengal. [ Botn-69-2310. ]
- SM. SUKLA SENGUPTA : On the pollen morphology of Convolvulaceae with special reference to taxonomy. [ Botn-69-2311. ]
- SM. ABANTIKA KUNDU (MRS. MITRA) : Studies in the Dextro and Levo rotatory phylotaxy and Vernatun in flowering plants and their relation to fruit production. [ Botn-69-2312. ]
- RADHARANJAN HAJRA : Chromosomes study as a means of working out the interrelationship between different genera of angiosperms with special reference to Malvaceae and Vitaceae and effect of x-rays on certain horticultural species. [ Botn-69-2313. ]



- NIRMALENDU SAMAJPATI : Physiological studies on some species of *formosa* and *ganoderma*. [ Botn-69-2314. ]
- SM. KUSUM BISWAS : Studies on antibiotic resistance of micro organisms. [ Botn-69-2315. ]
- SM. JHARNA MITRA : Studies on induced mutations in *penicillium vermiculatum* dangeard and characterization. [ Botn-69-2316. ]
- PARIMALCHANDRA RAY : Total titratable acid in relation to photosynthates and respiration of rice plants. [ Botn-69-2317. ]
- AMBUJKUMAR PAL : Studies on the metabolism of seeds during development and germination. [ Botn-69-2318. ]
- PRASANTA KUMAR SARKAR : Isolation of nativeally occurring growth substances from tropical plants. [ Botn-69-2319. ]
- SM. SAKUNTALA BANDYOPADHYAY (MRS. NANDI) : An investigation on the effect of different carcinogens and mutagens on chromosome structure and cytological study as an aid in assessing the systematic status of several genera of *Citifioreae*. [ Botn-70-2320. ]
- S. STEPHEN RICHARD BENNET : Taxonomic studies on the flora of Howrah District (West Bengal). [ Botn-70-2321. ]
- NIRMALENDU MUKHOPADHYAY : Revision of the family *Flacourtiaceae* of India Burma and Ceylon. [ Botn-70-2322. ]
- BARIDBARAN MUKHOPADHYAY : Vegetational history of the southern part of West Bengal with an introduction to the pollen flora of Sundarbans. [ Botn-70-2323. ]
- PRADYOT KUMAR BANDYOPADHYAY : Karyomorphological studies in certain dicotyledonous taxa with special reference to species of medicinal value. [ Botn-70-2324. ]
- BISWARANJAN BANDYOPADHYAY : Cytological studies and the effects of irradiation and chemical on *Capsicum* and *Pisum* species. [ Botn-70-2325. ]
- MINAKSHI BANDYOPADHYAY : Chromosome study of certain angiosperms and an investigation on the effect of physical and chemical agents on chromosomes. [ Botn-70-2326. ]
- SUKUMAR GUPTA : Physiological and cytological studies on normal and crown gall tumour tissue cultures. [ Botn-70-2327. ]
- SM. NITA SAHA : Dissertation on the cytology and anatomy of certain species of Angiosperms and cytohistological study of some plants pests. [ Botn-70-2328. ]
- SUJITKUMAR DATTA : The effect of Nand Kon growth cell wall constituents and auxin content in rice plants. [ Botn-70-2329. ]
- SAJALKUMAR CHAKRABARTI : Studies on some aspects of the biology of *Hexagona apiaria* (plus) Lloyd associated with *Euphoria longana* (Lour) stand. [ Botn-70-2330. ]
- SM. KALYANI BHATTACHARYYA : Studies on Transformation in *Aspergillus niger*. [ Botn-70-2331. ]
- SAMIRCHANDRA RAKSHIT : Cytogenetical and irradiation studies in Jute and allied fibre plants. [ Botn-70-2332. ]
- SM. MANJU BANDYOPADHYAY : Studies on the fossil flora of the Indian lower Gondwana with special reference to *Glossop tinden* fructification. [ Botn-70-2333. ]
- CHERUKURI RAGHAVENDRA BABU : Investigation on the herbaceous flora of Dehradun with special reference to ravines and river-beds. [ Botn-70-2334. ]
- ASOK DAS : Investigation on the effects of X-radiation on *Hordeum vulgare* Linn and *Lathyrus sativus* Linn. Part-I Effects of X-rays of different wave lengths on *Hordeum vulgare* Linn (Barby). Part-II Effects of recurrent irradiation on *Lathyrus sativus* Linn. and *Hordeum vulgare* Linn. [ Botn-70-2335. ]



- AMIYANGSU CHATTOPADHYAY : Cytotaxonomic studies on certain taxa with special reference to Geraniales.  
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- ARUNKRISHNA ROY : Some ecological and physiological studies on some weeds of West Bengal. [ Botn-70-2337. ]
- SATYESCHANDRA ROY : Chromosome study as an aid in tracing the phylogeny of certain taxa of angiosperms and the effect of polyploidising agents at the somatic level. [ Botn-70-2338. ]
- MILANKUMAR MAITI : Investigation on the Pyrenomycetes of West Bengal.  
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- SM. REKHA BHATTACHARYYA : Cytotaxonomic studies on different taxa of Labiatae and Zingiberaceae and an investigation on the response of chromosomes to lequione treatment. [ Botn-71-2340. ]
- SM. MIRA JASH : Study of the structure and behaviour of chromosomes in certain genera of Compositae and Onagraceae and an investigation into the differential response of chromosome segments to certain chemicals. [ Botn-71-2341. ]
- RANJITKUMAR PAL : Cytotaxonomic investigation on some monocotyledonous and dicotyledonous members and study on the differential nature of chromosome one segments. [ Botn-71-2342. ]
- KAMALKANTA BISWAS : Autecological studies on some aquatic angiosperms.  
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- KRISHNAPADA PAL : Taxonomy of the Discomycetes of West Bengal.  
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- NRIPENDRANATH BANDYOPADHYAY : Microfloristic study in conjunction with coal petrography on some Indian Lower Gondwana coal beds and their stratigraphic evaluation. [ Botn-71-2345. ]
- ASITKUMAR BANDYOPADHYAY : Structure and behaviour of chromosomes as an aid in tracing the affinities and evolution of certain taxa of complexes.  
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- MANINDRANATH SANYAL : Floristic and ecological studies of the plants of Bankura District. [ Botn-71-2347. ]
- SM. TAPATI SANYAL : Studies on isolation characterisation and biological properties of naturally occurring compounds.  
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- SM. DIPTI SINGH : Taxonomical investigations on the Funariales and the Eubryales in Eastern India and adjacent regions.  
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- SM. PRANATI GHOSH : Investigation on certain aspects of the biology of some wood destroying polyphoraecal.  
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- HRISHIKES MANDAL : Some biochemical studies on plant cell nuclei.  
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- OM PRAKASH BHUPAL : Studies on the foliar sclereids in a few taxa and plants.  
[ Botn-71-2352. ]
- SM. BIBHA BHATTACHARYYA : Chromosome analysis of several monocotyledonous families to study their affinities and lines of evolution and an investigation on the effects of certain chemicals on cell metabolism. [ Botn-71-2353. ]
- SM. SUHITA GUHA : Structure and behaviour of chromosomes on different monocotyledonous and dicotyledonous genera with a view to trace their affinities and evolution. [ Botn-71-2354. ]
- SUNILENDU BASAK : A comparative study of chromosomes of the dendroid and herbaceous species of Euphorbia and its behaviour of chromosomes to pesticides.  
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- GAURHARI BHAUMIC : Studies of structure and behaviour of chromosomes in certain families of angiosperms and an investigation into the cytological effects of compounds yielded by species of Dioscorea.  
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- PULAK MUKHOPADHYAY : Chromosome study as an aid in tracing the evolution in Cruciferae and an investigation into the chromosome characters in certain unisexual families and their allies.  
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- PRABIR CHATTOPADHYAY : An analysis of the structure and behaviour of chromosomes as an aid in the taxonomy of certain higher and lower groups of plants and the cytological effects of certain chemical and physical agents in the latter.  
[ Botn-72-2358. ]
- SM. ARATI BASU (MRS. DEB) : Cytohistomorphological delimitation of some taxa of special importance. [ Botn-72-2359. ]
- BASANTAKUMAR GHORA : Genetical studies with induced mutations of *Chaetomium aureum* chivers. [ Botn-72-2360. ]
- BHUSANCHANDRA DAS : Studies on breeding and cytogenetical aspects of mulberry (*Morus L.*) with special reference to its improvement. [ Botn-72-2361. ]
- JAGADISH MUKHOPADHYAY : On the pollen morphology of Verbenaceae and few allied taxa with special reference to taxonomy. [ Botn-72-2362. ]
- PRABHATKUMAR BASU : Studies on medicinal plants. [ Botn-72-2363. ]
- MANISHINATH DAS : Growth analysis in relation to photosynthetic efficiency of different varieties of rice under different fertilizer levels. [ Botn-72-2364. ]
- SM. SIPRA CHAKRABARTI : Studies on the control of plant diseases by antibiotics. [ Botn-72-2365. ]
- SM. LILA MAJUMDAR : A study of nuclear division as affected by chemical compounds and investigation on structure and behaviour of chromosomes of the family Rubiaceae. [ Botn-72-2366. ]
- SHYAMAPRASAD SINHARAY : Effect of extracts of *Croton bonplandeanum* Linn on the germination of seeds and the growth of seedlings. [ Botn-72-2367. ]
- MONORANJAN MANDAL : Studies on some *Cercosporae* from West Bengal. [ Botn-72-2368. ]
- SM. SYAMALI MITRA : Studies on the metabolism of rice seeds in relation to after ripening, germination and viability. [ Botn-72-2369. ]
- ARUNENDRANATH LAHIRI MAJUMDAR : Biosynthesis of inositol phosphates in plant. [ Botn-73-2370. ]
- PRASANTAKUMAR MUKHOPADHYAY : Taxonomic studies on Indian Umbelliferae. [ Botn-73-2371. ]
- SM. ALAKA DEBI : Organic acid metabolism of the rice plant grown under different environmental conditions. [ Botn-73-2372. ]
- SM. MADHU JYOTSNA : A comparative study on certain aspects of the biology of three common species of Polyporaceae causing decay of Sal (*Shorea robusta Gaertn F.*). [ Botn-73-2373. ]
- SM. DEBI KUNDU : Cytological and other investigations on taxa and related genera and induced alterations in the structure and behaviour of chromosomes. [ Botn-73-2374. ]
- PRABHANJAN KUMAR SAMANTA : Some fundamental and applied aspects of cytohistomorphological study of certain economic plant taxa. [ Botn-73-2375. ]
- ANILKUMAR BANDYOPADHYAY : Certain aspects of weeds of rice-fields. [ Botn-73-2376. ]
- SM. SIMA BASU : Studies on induced mutations in *Aspergillus* species. [ Botn-73-2377. ]
- SUBIR SEN : Floristic studies of Hooghly district, West Bengal. [ Botn-73-2378. ]
- SM. ANJALI DAS : Studies on the chromosomal biotypes of different dicotyledonous genera with the aid of improved techniques and the differential effects of different physical and chemical agents. [ Botn-73-2379. ]



- SM. MANJULIKA BASU : Studies on callus and cell suspension culture of higher plant tissue grown in vitro.  
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- KALYANKUMAR BHATTACHARYYA : Studies on the modification of ultraviolet radiation effect in *Aspergillus terreus*.  
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- SM. SASHIKALA SAHAY : Palynotaxonomical investigation of the family Boraginaceae and a few allied taxa.  
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- SM. ISANI CHAUDHURI : Anatomical, karyological and physiological investigation on some timber rotting fungi of West Bengal.  
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- MANOJKANTI RAY : Studies on newer antibiotics from *Streptomyces* spp.  
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- SM. PAMPA MUKHOPADHYAY : Studies on mutation and transformation in *Rhizobium* sp.  
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- SM. PARNA CHATTOPADHYAY : Cytotaxonomy of certain flowering plants with special reference to the subfamily Caesalpiniae and effect of certain organic compounds on chromosome behaviour.  
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- SM. FIRDOUS ARA ISMAIL : Chromosome study in relation to the phylogeny of Andropogonae and Paniceae and a study of the different external factors controlling nuclear behaviour. [ Botn-74-2387. ]
- SM. SUBHA BASU : Synthetic taxonomy a newer approach for determining phylogeny and interrelationship of some members of the family Verbinaceae.  
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- GOPALCHANDRA MITRA : Cytomorphogenetical studies in sunhemp (*Crotalaria juncea* L.). [ Botn-74-2389. ]
- KALYANKUMAR MUKHOPADHYAY : Investigations on cytogenetical effects of ionizing radiation in Indian spinach.  
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- SM. ARATI SEN : Cytohistomorphological study mainly on Piperaleae with an object of delimitation of taxa and tracing on to genetic sequence. [ Botn-74-2391. ]
- SM. JUTHICA DASGUPTA : Characterization of nucleolus from plant.  
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- SM. SIMA PAL (MRS. BHATTACHARYYA) : Chromosome study as an aid in determining evolution and interrelationship of different taxa of Labiatae and the effect of ionising and non-ionising rays on the nuclear behaviour. [ Botn-74-2393. ]
- SM. MINARANI BHATTACHARYYA : Induced mutations and genetical studies in *Penicillium javanicum* var *beyma*.  
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- KUNTALKUMAR CHATTOPADHYAY : Studies on germination and germination inhibitors of *Vernonia anthelmintica* (L.) wild.  
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- SM. KANNALPANI DE : Physiological analysis of the metabolites of photosynthesis in relation to yield of different varieties of rice under different fertiliser levels.  
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- JITINDERNATH VOHRA : Taxonomic studies on Hypnobryales (Musci) of the Himalaya. [ Botn-75-2397. ]
- SM. CHHABI BISWAS : Anatomical studies in the genera *Hibiscus* L. and *Abelmoschus* medik. [ Botn-75-2398. ]
- SM. MAHUYA DATTA GUPTA : Studies on a mosaic disease of *Canna indica*.  
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- KARUNAMAY GHOSH CHAUDHURI : Studies on auxin-synorgists in rooting of cuttings.  
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- DEBASISH BANDYOPADHYAY : Palynological studies on the tertiary formations of Assam. [ Botn-75-2401. ]
- SM. PARBATI SAMAJPATI : Physiological studies on some common wood-rotting species of Polyporaceae.  
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- AKRAMUL HAQUE : Studies on chromosome structure and behaviour in several genera of Polypodiaceae with special reference to their interrelationship. [ Botn-75-2403. ]
- NIHARENDUBIKAS SINHA : Effect of ascorbic acid on nodulation and nitrogen fixation and growth in *Phaseolus aureum* Roxb. and *Pisum sativum* L. [ Botn-75-2404. ]
- JYOTIRMAY BHATTACHARYYA : Detective microscopic and physical characters of poisonous angiospermic seeds having forensic significance [ Botn-75-2405. ]
- SM. BHARATI NANDI : Studies on the tertiary flora of India with special reference to the microflora of the Himalayan foot hills. [ Botn-75-2406. ]
- SM. BISHNUPRIYA DASGUPTA : Characterization of copper toxicity in seeds during germination. [ Botn-75-2407. ]
- SM. AINDRILA CHANDRA : Physiological studies on some Indian species of edible mushrooms. [ Botn-75-2408. ]
- BARUNKUMAR CHATTOPADHYAY : Studies on some aspects of the biology of hexagonia species associated with *Diospyros embryopteris*. [ Botn-75-2409. ]
- JALADHIBHUSHAN CHAUDHURI : Chromosome studies in some monocotyledonous genera with special reference to the importance of ecological factors in their evolution. [ Botn-75-2410. ]
- SM. SIBANI MUKHOPADHYAY : Studies on 'Antifungal Antibiotics produced by *Streptomyces* sp. [ Botn-76-2411. ]
- DWIJENDRANARAYAN GUHABAKSI : The study of the vegetation of district of Murshidabad (W. B.). [ Botn-76-2412. ]
- SM. MALATI MAJUMDAR : Pathogenesis of *Fusarium* root rot of pea (casual organism *Fusarium solani*, F. *pisi* (Jones Snyder and Hansen). [ Botn-76-2413. ]
- SM. ARCHANA SARKAR (MRS BAG) : Effects of Streptomycin and Hedacidin on growth and metabolism of germinating seedlings. [ Botn-76-2414. ]
- SALILKUMAR BASAK : Investigation on certain aspects of the biology of some fungi causing human mycosis. [ Botn-76-2415. ]
- NARENDRAMOHAN DATTA : Taxonomy and palynological studies of the family Scrophulariaceae of eastern India. [ Botn-76-2416. ]
- SM. CHANDI ROY : Studies on some aspects of the anthracnose disease of jute (*Corchorus capsularis* L. [ Botn-76-2417. ]
- GAMBIR SINGH YONZONE : Studies on the phanerogamic flora of Darjeeling. [ Botn-76-2418. ]
- MALAYKUMAR PRAMANIK : Studies on some bacterial recombinants produced by paradoxical reaction. [ Botn-76-2419. ]
- SM. KUMKUM DEV (MRS. SIKKA) : Cytological study on certain genera of Cruciferae and the effect of certain herbicides on chromosomes. [ Botn-76-2420. ]
- KAJALKANTI MAJUMDAR : An investigation on certain aspects of biology of Polyporous gammocaphalus bark associated with a disease of *Zizyphus mauritiana* Linn. [ Botn-76-2421. ]
- SM. SNIGDHA MAITRA : Biochemical studies on leaf-spot disease of *Brassica oleracea* Linn caused by *Alternaria brassicae* tiana Linn. [ Botn-76-2422. ]
- SM. KRISHNA GHOSH (MRS. MITRA) : Palynological studies on certain families of the Angiosperms in relation to taxonomy. [ Botn-76-2423. ]
- SUNILKUMAR BHATTACHARYYA : Cytogenetics of Indian Pulses. [ Botn-76-2424. ]
- SUBODHKUMAR DATTA : Cytogenetical studies in *Trichoxanthes anguria* Linn. [ Botn-76-2425. ]
- SUBHENDRANATH CHATTOPADHYAY : Studies on repair and modification of U.V. Radi-



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- SM. AMITA PAL : Chromosome studies and chemical analysis of some medicinal species with special reference to the genus *Dioscorea*. [ Botn-77-2427. ]
- RABINDRANARAYAN PAL : Taxonomical study of Theaceae, Actinidaceae and Sauracaceae of India and Burma.  
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- ASISH CHATTOPADHYAY : Photosynthesis and productivity of rice plant in relation to growth substances. [ Botn-77-2429. ]
- ASISHKUMAR CHAUDHURI : Investigations on some wood rotting fungi in relation to decay resistance of *Pterocarpus marsupium* Roxb. [ Botn-77-2430. ]
- SM. RITA RAJAGOPALAN : Germination—regulating mechanisms in seeds of some weeds. [ Botn-77-2431. ]
- T. K. ABRAHAM : Improvement of citric acid yielding strains of *Aspergillus niger* by radiation and studies in the biosynthetic path ways of citric acid.  
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- DILIPKUMAR SHANI : Studies on morphology, cytotaxonomy and X-ray sensitivity on different species of *Lathyrus*.  
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- ARUNKUMAR CHATTOPADHYAY : Effect of extracts of *Polygonum orientale* on germination and seedling.  
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- ASISH KUMAR GHOSHAL : Biochemistry and physiology of resistance mechanism of heartwood of *Shorea robusta* against fungal pathogen. [ Botn-77-2435. ]
- SUMITKUMAR RAY : Bacteriological and Immunological studies on cholera vibrios. [ Botn-77-2436. ]
- SM. GITA MAJUMDAR : Studies on floral morphology and cytology in relation to taxonomy of the family Euphorbiaceae.  
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- PRABIRKUMAR SAHA : Studies on the naturally occurring growth regulators.  
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- SM. KRISHNA CHAKRABORTI : Investigations on the potentialities of oxalic acid synthesis by natural and mutated strains of *Sclerotium rolfsii*. [ Botn-77-2439. ]
- SAMARENDRANATH BHATTACHARYYA : Studies on the action of Griseofulvin in *Trichophyton*. [ Botn-77-2440. ]
- FIROJ MALLIK : Investigation on the leaf inhabiting *Moniliales* of Eastern India.  
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- SM. KALYANI GHOSH : On the pollen morphology of some gymnosperms, monocotyledons and primitive dicotyledons in relation to taxonomy and phylogeny.  
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- SIBANI RAYCHAUDHURI : Studies of chromosome division after treatment with antibiotics and analysis of the inheritance pattern of phosphatase in normal populations through Polyacrylamide Gel Electrophoresis. [ Botn-78-2443. ]
- SM. SUPARNA RAY : Mutagenic studies in *Streptomyces indicus*. [ Botn-78-2444. ]
- SM. ALPANA CHATTOPADHYAY : Study of the chromosomal changes in evolution and an analysis of certain factors affecting alteration of chromosome size in evolution.  
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- SM. SYAMA BAKSI : Analysis of Genetic variants through the application of Electrophoretic methods in different living organisms and chromosome study in certain plant species. [ Botn-78-2446. ]
- SM. PRAJNA MAITRA : Toxic effects of lead in germinating seedlings and other plant systems. [ Botn-78-2447. ]
- SM. SILPI PAL : Comparative morphology and taxonomic implications of foliar sclereids of a few taxa of angiosperms.  
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- MADHUCHHANDA CHATTOPADHYAY : Studies on the resistance of Rice Plants to brown spot disease caused by *Helminthosporium oryzae*.





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- HARADHAN SAU: Chromosome evolution and the response of external agents in certain tribes of Orchidaceae and other families.  
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- DILIPKUMAR DE: Studies on lignin degradation by fungi.  
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- PARTHADEB GHOSH: Induced Mutation and Tissue Culture in Certain Legumes.  
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- SM. DIPASRI BHATTACHARYYA: A study of the chromosomal and associated changes in the evolution of some species propagating principally through vegetative means with special reference to those induced by physical agents.  
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- SM. PONTY MITRA: Study of *Aspergillus niger* in relation to citric acid production.  
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- PURNENDUKUMAR GHOSH: Certain anatomical problems of variation pattern and phylogeny.  
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- SM. GOPA SEN: Morphogenesis and Biogenesis in cultured *Thevetia nerifolia* tissues.  
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- CHAPALAKANTA SUR: Taxonomic study and cultivation of edible mushrooms of West Bengal.  
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- BARUNKUMAR RAY : Isolation and characterization of growth substance from plants extracts and their role in the improvement of plants of economic importance. [ Botn-80-2473. ]
- SM. RATNA MUKHOPADHYAY : Investigation on the susceptibility of rice plants to *Helminthosporium* infection in relation to the age of plants and Nitrogen content of soil. [ Botn-80-2474. ]
- NANDALAL PARIA : A survey of the leguminosae with respect to sleep movement. [ Botn-80-2475. ]
- SWAPANKUMAR DATTA : Pharmacognosy of important laticiferous bark drugs. [ Botn-80-2476. ]
- SM. BANI BHATTACHARYYA : Genetic variants in Lipoprotein Patterns with reference to normal and abnormal Mammalian Systems. [ Botn-80-2477. ]
- SANKARDAS CHAKRABORTI : Allelopathy in *Clerodendron viscosum* Vent : Inhibition of Mustard Seed Germination and Seedling Growth. [ Botn-80-2478. ]
- BIKASRANJAN PATI : Studies on Phyllosphere of crop plants. [ Botn-80-2479. ]
- KASINATH GHOSH : Allelopathic potential of two species of *Chenopodium* Linn. [ Botn-80-2480. ]
- SM. SABITA BHATTACHARYYA : Studies on mutation and transformation in *Spirillum lipoferum*. [ Botn-80-2481. ]
- UMESCHANDRA LAVANIA : Application of chromosome banding technique as a parameter for chromosome identification in Leguminosae. [ Botn-80-2482. ]
- SM. RATNA BANDYOPADHYAY : Physiological and biochemical aspects of colchicine response in different plants. [ Botn-80-2483. ]
- SM. TAPATI RAY (MRS. SENGUPTA) : Physiological and biochemical aspects of colchicine response in different plants. [ Botn-80-2484. ]
- SUDHENDU MANDAL : Aerobiology of pollen grains in West Bengal in the context of environmental pollution and respiratory allegory. [ Botn-80-2485. ]
- DILIP GUPTA : Studies on some aspects of metabolism in Wilt disease of *Cicer arietinum* caused by *Fusarium oxysporum* F. *cicere*. [ Botn-80-2486. ]
- SM. SITA BISWAS : Cytological and Cytochemical investigations on chromosomes of Legumes. [ Botn-80-2487. ]
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- PRADYOTKANTI GHOSH : Studies on the epidemiology and control of stem rot disease of Jute (*Corchorus olitorius* L.). [ Botn-80-2489. ]
- ANIMASH GHORAI : Chromosome complexes in certain members of the family gramineae. [ Botn-80-2490. ]
- SM. SYAMALI GHOSHAL : Studies on mutation and transformation in *Streptococcus sanguis*. [ Botn-80-2491. ]
- SAMIRKUMAR GUPTA : Taxonomic investigation on the Pyrenomycetes of eastern Himalayas and adjoining areas of West Bengal. [ Botn-80-2492. ]
- TUNTUNPRASAD SINGH : Chromosomal studies and allied investigations of different taxa of Labiatae with special reference to *Ocimum* and a review of chemical analysis of the active medicinal principle. [ Botn-80-2493. ]
- J. L. ELLIS : The flora of Nallamalais, Andhra Pradesh on the Eastern Ghats of Peninsular India. [ Botn-80-2494. ]
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- SM. SONA MAJUMDAR : Ecophysiological Studies on certain Leguminous species. [ Botn-81-2497. ]
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- JAYANTAKUMAR SIKDAR : Studies on the vegetation and Flora of Jalpaiguri District, West Bengal. [ Botn-81-2499. ]
- SHYAM NANDAN SAHAY : Biosystematic investigations on several members of the Family polygonaceae with special reference to their chromosomal characteristics. [ Botn-81-2500. ]
- CHANDAN MUKHOPADHYAY : Metabolic alterations in plant tissues induced by cadmium. [ Botn-81-2501. ]
- SM. SRILEKHA GHOSH : Studies on the genetics of Rhizobium. [ Botn-81-2502. ]
- ANILKUMAR NANDI : Studies on induced mutation in Streptomyces species in relation to anti-biotic and Enzyme production. [ Botn-81-2503. ]
- SM. ANJALI KHADILKAR : Studies on the enzyme Ribo-Nuclease Produced by the Phyto-Pathogenic Fungus, Ustilaginoidia virens (eka) Tak. [ Botn-81-2504. ]
- MIHIRKUMAR DATTA : Cytological studies in certain Taxa of Leguminosae as an aid in interpreting their affinities and Lines of evolution. [ Botn-81-2505. ]
- BIDYUTKUMAR BISWAS : Chromosome studies in Orchidaceae and Magnoliaceae. [ Botn-81-2506. ]
- SM. ASIMA DASGUPTA (MRS. LAHIRI-MAJUMDAR) : Tissue culture and structural studies on Mammalian organ Rudiments. [ Botn-81-2507. ]
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- SM. ANUSRI BANDYOPADHYAY : Chromosomal and cytochemical effects of Tobacco extracts on different cellular systems. [ Botn-81-2509. ]
- SM. NIBHA THAKUR (MRS CHAKRABARTI) : Studies on the physiology of some tropical edible fungi. [ Botn-81-2510. ]
- SM. MARIETTA ANNE NIGLI : Human sex chromosome abnormalities—a study of some genetic markers. [ Botn-81-2511. ]
- YOGENDRAKUMAR BANSAL : The response of chromosomes to different chemicals in nuclei at different phases of growth. [ Botn-81-2512. ]
- SM. MAHUYA SENGUPTA : Studies on the Bacterial association of the phyllosphere. [ Botn-81-2513. ]
- SM. RADHA SEN : Transformation of steroid hormones by micro organisms. [ Botn-81-2514. ]
- SM. BASANTIKA MITRA : Comparative vegetative anatomy of the Indo Malayan Mangiperoe (Anacardiaceae). [ Botn-81-2515. ]
- SRIBIR SEN : Studies on cellulolytic activity of a Thermophilic Fungus. [ Botn-81-2516. ]
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- MAHARAJ KRISHEN PEER : A study of the susceptibility of nuclear chromosomes and their segments to physical and chemical agents. [ Botn-81-2518. ]
- SM. MANISHA SANYAL : Pharmacognosy differentiation and redifferentiation of some Meliaceae tissue. [ Botn-81-2519. ]
- ASOKKUMAR BISWAS : Metabolic basis of penicillin sensitivity in higher plants. [ Botn-81-2520. ]
- SUBHASHCHANDRA SANTRA : Morphological and biochemical changes in fungi induced by antibiotics. [ Botn-81-2521. ]
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- SM. SUMITA MUKHOPADHYAY : Chemical analysis of different populations of Indian squill under natural and in vitro growth and study of the chromosome characteristics of different races of *Urginea indica*. [ Botn-81-2523. ]
- SM. DIPASRI MONDAL : Characterisation of the phytotoxic effects of an antifungal and an antibacterial antibiotic. [ Botn-81-2524. ]
- SM. RATNA DHARCHAUDHURI : Growth Regulating properties of extract of different plant parts and their functional importance in economically important plant. [ Botn-81-2525. ]
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- BIJAYSANKAR GHOSH : Studies on fungal Cellulolytic and Hemicellulolytic enzymes and their application potentiality. [ Botn-81-2527. ]
- SM. SURABHI SARKAR : Allelopathy in two Leguminous Words : Inhibition of seed germination and seedling growth. [ Botn-81-2528. ]
- SM. SAMPA LAI (MRS. DAS) : Cell biological aspects of sporulation in *Saccharomyces cerevisiae*. [ Botn-81-2529. ]
- AMBARISH MUKHOPADHYAY : Effects of certain Herbicides on germination, growth and establishment of *Abutilon indicum*. [ Botn-81-2530. ]
- SYAMALKUMAR BASU : Studies on the palms of Indian Botanic Garden, Calcutta and its vicinity. [ Botn-81-2531. ]
- TIMIRBARAN JHA : Isolation and culture of plant protoplasts and study of chromosomal behaviour of callus tissue during their growth in vitro. [ Botn-82-2532. ]
- SNEHAMAY CHATTOPADHYAY : Indoleacetic acid and in vitro growth of *Nigella sativa* Tissue. [ Botn-82-2533. ]
- ABHAY KUMAR GHOSH : Analysis of structure and behaviour of chromosome in species of *Trigonella* as an aid in working and their affinity and induction of polyploidy through colchicine treatment. [ Botn-82-2534. ]
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- PIJUSH KANTI SARKAR : On the pollen flora of greater Calcutta in relation to acropalynological survey. [ Botn-82-2536. ]
- ANIMESH RAY : Studies on mushroom flora of West Bengal. [ Botn-82-2537. ]
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- BALARAM CHATTOPADHYAY : Nature and origin of Arkasani Granophyers, Bihar, India (with special reference to those of the Western part of the Singhbhum shear zone.) [ Geol-81-3415. ]
- SIBSADHAN RAY : Structure and stratigraphy of the Rangit Window, South Sikkim, Eastern Himalayas, India. [ Geol-81-3416. ]
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- ASOKKUMAR ROYCHOUDHURI : Late cretaceous-early tertiary Foraminiferal biostratigraphy of the eastern part of Khasi-Jaintia Hills, Meghalaya, eastern India. [ Geol-82-3418. ]
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- SAROJKUMAR MUKHOPADHYAY : Some of the metabolic circulatory changes in the Hearts of Rats exposed to high environmental temperature. [ Phsl-77-4048. ]
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- SM. SUCHITRA GHOSH : Studies on the Excitability of developing Avian Brain. [ Phsl-78-4056. ]
- SM. RATNA CHATTOPADHYAY : Effect of pentose phosphate pathway inhibitor on testicular steroidogenesis and spermatogenesis. [ Phsl-78-4057. ]
- SM. PRATIBHA KAUL : Effect of experimentally induced anemia on the testicular activity of toads (*Bufo Melanostictus* and Rats. [ Phsl-78-4058. ]
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- SM. MANIKA DAS : Hormonal influence on tissue iron turnover. [ Phsl-78-4060. ]
- SM. SUCHETA DEBMAULIK : Studies on the influence of Gestagens on some uterine activity. [ Phsl-78-4061. ]
- SM. JAYASRI BASU : Evaluation of ovarian and pituitary function in human female with special reference to post partum period and lactation. [ Phsl-78-4062. ]
- SM. JAYASRI BASU : Effects of Administration of L-Lysine of L-Threonine on Ascorbic Acid Metabolism. [ Phsl-79-4063. ]
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- SM. ARCHANA GHOSH : The influence of Gestagens on some Brain activity. [ Phsl-79-4066. ]
- SUBHASH SANYAL : Prostaglandin E<sub>2</sub> in reference to spermatogenesis. [ Phsl-79-4067. ]
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- SM. PRAJNAMITA PAL : Electrocardiographic and allied studies on normal children before and after exercise test. [ Phsl-80-4075. ]
- PRANABLAL PAKRASI : Effect of the extract of the root of *Aristolachia Indica* (Linn) on Fertility, Spermatogenesis and other related studies. [ Phsl-80-4076. ]
- SM. JAYATI BASU (MRS. MITRA) : Differentiation of Thymus and spleen in Human Fetus. [ Phsl-80-4077. ]
- PRANABES NATH : Role of L-ascorbic acid and Pyridoxine on certain aspects of protein metabolism in Toads (*Bufo Melanostictus*). [ Phsl-80-4078. ]
- PARITOSHKUMAR KAR : Studies concerning certain action of Scorpion Venom. [ Phsl-80-4079. ]
- ANJANKUMAR PAL : Physiological studies on the thyroid hormone action in eel nucleocytoplasmic relationships in different vertebrates (Mammals Amphibia and Fish). [ Phsl-80-4080. ]
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- ANUKULCHANDRA MAJUMDAR : Physiological studies on the effects of Thyroxine on silk worms. [ Phs1-81-4094. ]
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- ANIMESH DHAR : Studies of lead on certain aspects of protein metabolism in Rats. [ Phs1-82-4108. ]
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- DHARAM PAL SINGH : Transfer of rectangular bundle shape of an x-ray induced variant of *Corchorus capsularis* to two standard strains JRC-212 and D-104 cytology of diallel crosses of fire radiaturn induced mutants and the intensity of mutant expression and changes in associated character of derived mutants. [ Agbo-71-4652. ]
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- SATYENDRANATH MAITI : Studies on induced mutation in tomato (*Lycopersicon esculentum* Mill) by single and



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- SATYAKINKAR PAL : Growth and metabolic changes in rice plants under water. [Agbo-74-4657.]
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- SM. AMITA SAHA : Studies on induced mutation in rice (*Oryza sativa* L) by single and combined treatments with x-rays and chemical mutagens. [Agbo-76-4659.]
- SARADINDU CHAUDHURI : Genetic reconstruction of Ideotype in *Triticum aestivum* L. [Agbo-76-4660.]
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- SUBHENDUDEV CHATTOPADHYAY ; Studies on rice breeding with special reference to low temperature tolerance, photo-insensitivity and high yielding capability. [Agbo-77-4662.]
- PRANABKUMAR SASMAL : Studies in rice with reference to genetic variability, stability parameters and competition under varying levels of phosphato nutrition. [Agbo-77-4663.]
- SM. BINA PUNJABI : Studies on the role of growth inhibiting chemicals in the regeneration of roots on cuttings. [Agbo-77-4664.]
- NANDAMADHAB BHATTACHARYYA : Mechanism of chromosomal organisational changes caused through certain alkylating agents. [Agbo-78-4665.]
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- SM. PRATIBHA PAL : Studies on the control of seed deterioration in rice (*Oryza sativa* L). [Agbo-80-4670.]
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- MOHAMED NOUR EL DIN ISMAIL : Rural epidemiology—An Integrated approach to solve rural health problems.  
[ Epid-72-4842. ]
- DILIPKUMAR MUHHOPADHYAY : A longitudinal study of infant growth and status illness and environment.  
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- BHARATBHUSHAN DAS : Evaluation of physical status and environmental situation in acting out on delinquent behaviour. [ Epid-73-4844. ]
- GAURANGACHANDRA RAY : Role of carriers and natural water sources in the maintenance of cholera infection in an endemic area in Calcutta.  
[ Epid-73-4845. ]
- RANABIR MUKHOPADHYAY : A study of epidemiology of Refractive errors among college students of Calcutta with particular reference to socio-economic factors. [ Epid-73-4846. ]
- ARUNKUMAR CHAKRABORTI : Epidemiologi-



- cal studies on the genesis of diphtheria in infection and immunity in children of certain urban and rural areas of West Bengal. [Epid-73-4847.]
- SM. CHARULATA RAY (MRS. BASU): An epidemiological study of certain health aspects of spontaneous and induced abortion in an urban area. [Epid-78-4848.]
- PUSHPENDU CHATTOPADHYAY: Physical neuro-integrative and psychological development in survivors of severe protein caloric malnutrition-A study in early school-age children (6-9 yrs.) of an urban area (Chetla). [Epid-78-4849.]
- AKALANKA BHANDARI: Epidemiology of road accident in Calcutta. [Epid-78-4850.]
- SM. PHALGUNI BHATTACHARYYA: Epidemiological study of the relative effect of oral, IVCD and conventional contraceptives with their repercussion on the reproductive biology. [Epid-81-4851.]
- BIRALCHAND MALLIK: Assessment of control of pregnancy by oral contraceptive and newer menstrual regulations techniques in urban, rural and slum areas of West Bengal. [Epid-82-4852.]
- AMIYAKUMAR HATI: Biotic factors affecting the life cycle and longevity of some culicidae (Mosquitoes). [Ento-66-4853.]
- SUBIR KUMAR CHATTOPADHYAY: Fascial substitutes in muscle transplantation operations. [Exsu-64-4854.]
- AMALENDU RAY: Comparative study in the formation of cardio-vascular system and function (by angiocard diagraphy) in hibernators and homoeotherm during hypothermia. [Exsu-65-4855.]
- SM. GITA MUKHOPADHYAY: Cytogenetics and cytochemistry of malignant growth induced through carcinogenic compounds in different biological objects. [Gene-67-4856.]
- ANIL KUMAR GHOSH: Some observations on host-parasite relationship in experimental salmonella. [Immu-64-4857.]
- AMAL KUMAR MITRA: Studies on cardiolipin antigen. [Immu-65-4858.]
- ANILENDRABIJAY RAYCHAUDHURY: Observation in identification of food in stained materials for medico-legal purpose. [Immu-65-4859.]
- SM. SOBHIA DATTA (MRS. JANAH): Studies on the kinetics and control of Immune Response. [Immu-72-4860.]
- JNANANBRATA SIL: Studies on "NAG" vibrios and "NAG" bacteriophage. [Micr-71-4861.]
- DWIJENDRANATH SENGUPTA: Immunological and cutaneous response of human beings to vaccinia antigen. [Micr-71-4862.]
- AJAYKUMAR GHOSH: Bacilluria in pregnancy and its significance. [Micr-72-4863.]
- SM. IRA RAY: Morphological and Biochemical and Biochemical Characterisation of strains of corynebacterium isolated from human sources. [Micr-72-4864.]
- NIRMALKUMAR DATTA: Studies on enterobacteriophages with special reference to phage adaptation to resistant vibrios. [Micr-73-4865.]
- SASTHI CHAUDHURI: Serological activity of extracts of Indian plants. [Micr-73-4866.]
- ASUTOSH MUKHOPADHYAY: Studies on lepra reaction. [Micr-73-4867.]
- SANDIPKUMAR CHAKRABORTI: Studies on chikungunya virus. [Micr-73-4868.]
- SM. RENUKA SINHA: Immuno-Epidemiological studies in cholera. [Micr-73-4869.]
- AMARCHANDRA MITRA: Small Pox: Study of Antibody status, Virulence of isolated virus strains and clinical severity of cases. [Micr-74-4870.]



- SHOUMYAPRAKASH DE :** Studies on Intestinal pathogens (other than *V. Cholerae*) in Clinical Cholera. [ Micr-74-4871 ]
- AHINDRANATH RAYCHAUDHURI :** Complement fixing Antigen in Rabies—its preparation characterization and application in diagnosis and serosurveys. [ Micr-74-4872. ]
- SUKHAMAY BHATTACHARYYA :** Studies on the mechanism of Immunity in cholera and evaluation of serological tests that determine the Nature of Immune Response. [ Micr-75-4873. ]
- MRINALKANTI MUKHOPADHYAY :** Studies on small pox with special reference to the virus excretions by small pox patients or their contacts. [ Micr-75-4874. ]
- BIMAL KUMAR MANDAL :** Clinicopathological studies of some aspects of myeloplasm infection in man. [ Micr-77-4875. ]
- PRABHASKUMAR SARDAR :** A study of intestinal flora of infants with special reference to infective enteritis in infancy. [ Micr-79-4876. ]
- SAUMYAKANTI CHATTOPADHYAY :** Studies on immunological mechanism in amoebiasis. [ Micr-82-4877. ]
- PRASANTAKUMAR DAS :** Studies in serum enzyme and histochemistry of muscles in muscular dystrophy with special reference to duchenne type. [ Neur-80-4878. ]
- KALIDAS LAHIRI :** Vitamin A and Vitamin C Nutrition in some tropical Skin diseases. [ Nudt-58-4879. ]
- CHITTASANKAR DAWN :** Nutrition and dietetics for pregnant women, its survey in the Indian woman and the study of various effects of malnutrition on the mother and on her baby. [ Nudt-58-4880. ]
- AMIYAKUMAR BHATTACHARYYA :** A study of undernourished and malnourished children in Calcutta. [ Nudt-61-4881. ]
- TARUNSASI DE :** Characterization and nutritional evaluation of pulse proteins. [ Nudt-62-4882. ]
- AMIYA KUMAR BASU :** The effects of lowered nutritional intake on the nutrition of pregnant women and their offspring. [ Nudt-63-4883. ]
- AJIT HALDAR :** Studies on the influence of dietary protein on vitamin A metabolism. [ Nudt-65-4884. ]
- BIRENDRANATH SINHA :** Keratomalacia and its relation to protein and vitamin A. [ Nudt-65-4885. ]
- BANSI PRASAD :** Nutritional factors in coronary heart disease among various classes of the Indian population. [ Nudt-66-4886. ]
- PRABODHCHANDRA SEN :** Effect of helminthic infestation on the nutritional status of man. [ Nudt-67-4887. ]
- ASWINIKUMAR MANDAL :** Nutritional studies on diarrhoea in infants and children. [ Nudt-67-4888. ]
- SM. RATNA DAS :** Clinical Trend in eclampsia with study of plasma fibrinogen and fibrinogen and fibrinolysis. [ Obgy-81-4889. ]
- SM. KAMALA SAHA (MRS. SIKDAR) :—** A clinico-Pathological study of perinatal mortality. [ Obgy-82-4890. ]
- SANTOSHKUMAR BANDYOPADHYAY :** Clinico Pathological observations on Retinoblastoma. [ Opht-81-4891. ]
- JIBANANDA MANDAL :** A study of epidemiology of colour blindness and refractive errors among an aboriginal tribe (Lodhas) of West Bengal. [ Opht-82-4892. ]
- AMIYABIKAS CHAUDHURI :** Histochemical observations on some parasitic helminths of man. [ Para-57-4893. ]
- AMALKUMAR BANDYOPADHYAY :** Studies of the common types of dermatophyte in





- India pathogenic to man.  
[ Para-59-4894. ]
- NIKHILENDU ROY : Experimental Amoebiasis.  
[ Para-62-4896. ]
- NIRMAL CHANDRA BHATTACHARYYA : Study on growth pattern of filarial embryos inside the insect vectors receiving different dietetic regimen.  
[ Para-67-4897. ]
- AMALENDU DATTACHAUDHURI : Experimental Amoebiasis.  
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- KALIPADA SENGUPTA : Some outstanding problems related to infantile and adult cirrhosis.  
[ Path-58-4899. ]
- UMESHPRASAD NAIK : A histo-bacteriological study on the effects antibiotics and chemotherapeutic agents on mycobacterium tuberculosis and the pathology of palmonary tuberculosis.  
[ Path-60-4900 ]
- SM. MURIEL AIKAT : Investigation into the biological effects of an oral contraceptive aneta-xylohydroquinone, a clinical and experimental study.  
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- SUSILKUMAR BISWAS : An experimental study at the evaluation of lesions of the Glomerular injuries.  
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- SM. SUSHILA SHYAM SWARUP : Studies on Haemolysis in Thalassaemia.  
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- KSHITISCHANDRA DAS : Studies on the development of bone marrow hypoplasia with special reference to immunologic mechanism.  
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- RADHARAMAN PALCHAUDHURI : Effect of some micro-organisms on hypothalamus hypophysis and adrenal apparatus.  
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- TUSHARKANTI SAHA : Liver biopsy study (with special reference to tropical diseases)  
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- ABANIMOHAN MUKHOPADHYAY : Pathology of spleen and liver in thalassaemia syndrome.  
[ Path-62-4907. ]
- RANJITKUMAR PANJA : Pathology of collagen diseases of the skin—a clinico-pathological and experimental study.  
[ Path-62-4908. ]
- SM. SANDHYA GHOSH : Studies on anoemia in Leukaemia.  
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- NARAYANCHANDRA PAL : Hepatic pathology in chronic splenomegaly-experimental and clinico-pathological study.  
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- SUKUMAR GHOSH : Histochemical changes in the tissues of different types of Leprous lesions.  
[ Path-63-4911. ]
- RANAJITCHANDRA SIL : Histochemical studies on brain tissues of man and different types of common laboratory animals and its relation to brain tumour with particular reference to enzymes eg., phosphatases and succinic dehydrogenase.  
[ Path-65-4912 ]
- PRASANTA SENGUPTA : Role of spleen in cell proliferation and fibrogenesis with particular reference to tumour genesis in liver.  
[ Path-65-4913. ]
- DEBAPRASAD CHAKRABORTI : Study of some fundamental problems in relation to conditioned connective tissue repaired.  
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- PRADIPKUMAR RAHA : Pathogenesis of chronic cholecystitis and Cholelithiasis—a clinico-pathological and experimental study.  
[ Path-65-4915. ]
- MRITYUNJAY BASU : Some fundamental problems in relation to goitre—a clinical and experimental study.  
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- BIMALKUMAR GHOSH : Ovarian pathology in relation to functional uterine bleeding—a critical and experimental study.  
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- NISHITKUMAR MITRA : Histopathological studies on experimental treccrosyl phos-





- phate intoxication. [ Path-68-4918. ]
- SUNIL KUMAR KUNDU : Histopathological studies on borderline leprosy. [ Path-68-4919. ]
- SUNIL KUMAR BASU : Immunologic effects of liver homogenate on animals. [ Path-68-4920. ]
- MANISH SEKHAR CHAKRABARTI : Studies on murine hepatitis virus—an experimental model to elucidate problems related to human hepatitis. [ Path-68-4921. ]
- ASIM KUMAR MUKHOPADHYAY : Experimental study of tissue reaction to *Candida albicans* infection. [ Path-68-4922. ]
- SM. MANJU CHATTOPADHYAY : Studies on idiopathic thrombocytopenic purpura. [ Path-69-4923. ]
- NISIT CHANDRA GANGOPADHYAY : An experimental study of the reaction of the tissues to injury of an animal suffering from Malaria compared to similar injury of the tissues of healthy animal. [ Path-70-4924. ]
- SM. DAHLIA SENGUPTA : The biological implications of the immunogenicity of placenta-clinico-pathological and experimental study. [ Path-70-4925. ]
- SATYENDUBIKAS DATTA : Studies on isohaemagglutinins in man. [ Path-70-4926. ]
- SUJITKUMAR SEN : Electrophoretic studies of serum proteins in experimental immunization and their correlation with the antibody titre as determined by standard methods. [ Path-70-4927. ]
- SM. SABITRI SANYAL : Studies on some fundamental problems related to connective tissue necrosis. [ Path-70-4928. ]
- SAMIRKUMAR MAJUMDAR : An experimental study of the effects of cholera vibrio and cholera toxin on tissues and tissue culture. [ Path-70-4929. ]
- KAMALKRISHNA KUNDU : Study of primary polyneuritic leprosy. [ Path-71-4930. ]
- SM MANISHA PRAMANIK : Studies on the effects of viruses and cytotoxins on chromosomes. [ Path-71-4931. ]
- SUNITIKUMAR CHAKRABORTI : Studies on some fundamental problems related to rheumatoid arthritis. [ Path-73-4932. ]
- AMIT CHAUDHURI : Studies on Haemostasis in Haemoglobinspathic disorder. [ Path-74-4933. ]
- BAIDYANATH BHADURI : Clinico-pathological and experimental study on Cryptococcosis. [ Path-74-4934. ]
- TAPANKANTI GHOSH : Studies on giardiasis with special reference to steatorrhoea. [ Path-74-4935. ]
- SM. ELA GHOSH : Investigations of the active principles of the cholera stool. [ Path-75-4936. ]
- RANJITKUMAR MITRA : Histopathological studies on still born babies in relation to maternal health. [ Path-76-4937. ]
- SM. SADHANA MITRA (MRS. GANGOPADHYAY) : Studies on the mechanism of Anaemia in chronic liver disease. [ Path-77-4938. ]
- RANJITKUMAR SARKAR : Studies on tumor Immunology. [ Path-78-4939. ]
- SURAJIT CHAKRABORTI : Studies on immune status in malignant disorders (with special reference to lymphomas, breast cancer and cervical cancer). [ Path-81-4940. ]
- SUDHIRKUMAR GUPTA : The therapeutic activity of some sulphones and sulfoxides in experimental tuberculosis of Guinea-pigs. [ Phar-57-4941. ]
- PRAPHULLAKAMAL RAY : The Pharmacological action and therapeutic possibilities of an active constituent from *Daemia Extensa* Linn, etc. [ Phar-57-4942. ]
- AMARENDRANATH BASU : Pharmacological studies on some sulphonamide derivatives. [ Phar-58-4943. ]
- SOMNATH RAY : Studies on the nature and



- pathways of action of the Adrogens on the Adrenal cortex and the thyroid.  
[ Phar-58-4944. ]
- NIRMALKUMAR CHAKRABARTI : Studies on the toxicity of argemone oil and its action-logical role in epidemic dropsy.  
[ Phar-59-4945. ]
- RABINDRANATH CHAKRABORTI : Studies in experimental atherosclerosis.  
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- AMIYABHUSHAN SEN : Pharmacology and Chemotherapy of infections due to protozoa and helminths. [ Phar-62-4947. ]
- MADHUSUDAN DE : Studies on the pharmacological actions of Rauwolfia alkaloids with special reference to their antagonism to some neuro transmitter agents.  
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- DEBAPRASAD SEN : Pharmacological studies on new protein hormones, e.g., melanocyte stimulating hormone (MSH), etc.  
[ Phar-64-4949. ]
- HIRENDRALAL DHAR : Investigations on the mechanism of anaphylaxis.  
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- RATISCHANDRA MAJUMDAR : Pharmacological studies of Aloeperfoliate with special reference to the central nervous system.  
[ Phar-68-4951. ]
- MANOHAR V. RAJAPURKAR : Studies on adranergic blockade and its reversal.  
[ Phar-68-4952. ]
- PRASANTAKUMAR LAHIRI : Fundamental studies on functions of histamine.  
[ Phar-70-4953. ]
- ASITRANJAN RAY : The pharmacological effect of some substances on the action of quabain on cardiac and smooth muscle.  
[ Phar 70-4954. ]
- PIJUSHKANTI SARKAR : Observations on some cardiovascular actions of (1) *Dendrobium macraci linn* and (2) *Elaeo-carpus ganitrrus-Roxb*.  
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- KARUNAMOY KAR : Search for new vasodilators and antispasmodics in Qunazol-one and Engenol derivatives.  
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- SM. PARANTAPA SEN : Experimental studies on the allergenic properties of penicillin.  
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- SM. MALABIKA SINHA : Studies on the pharmacological actions of curcumalonga with special reference to the effects of experimental gastric ulcer.  
[ Phar-75-4958. ]
- SM. ASA GOEL (MRS. GANGOPADHYAY) : Pharmacological evaluation of some Indole alkaloids, namely venenatine, venoxidine and alstovenine with special reference to their neuropharmacological effects.  
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- RABINDRANATH SUR : Studies on the site and mechanism of action of some centrally acting compounds.  
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- BISHNUPRASAD MUKHOPADHYAY : Studies on the pharmacology of aggressive behavior with special reference to lithium.  
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- SUKANTA BANDYOPADHYAY CHAUDHURI : On the pharmacological evaluation of heterocyclic compounds.  
[ Phar-80-4962. ]
- HARENDRANATH GHOSH : Studies on glomerular filtration rate and renal plasma flow in health and disease.  
[ Phsl-57-4963. ]
- ANILCHANDRA CHATTOPADHYAY : The role of ascorbic acid in influencing adrin-ocortical response to stress.  
[ Phsl-58-4964. ]
- RABINDRANATH SEN : Effect of electrical stimulation of hypothalamus and visceral brain on gastric secretory activity and ulceration.  
[ Phsl-58-4965. ]
- SUBHASH MUKHOPADHYAY : Studies on some Biochemical changes in normal



- and abnormal pregnancy.  
[ Phsl-58-4966. ]
- BIJAN ROY : Fluoroscopy and fluorometry, the techniques and their experimental and clinical application.  
[ Phsl-59-4967. ]
- MRINALKANTI MUKHOPADHYAY : (I) Effects of drugs acting on the cardiovascular system as modified by vitamin C deficiency (II) studies on gastric secretion as modified by vitamin deficiency.  
[ Phsl-60-4968. ]
- MANMATHANATH ROY : Observations on blood group substances in certain body fluids and secretions. [ Phsl-60-4969. ]
- SM. ANJALI PAL (MRS. CHATTOPADHYAY) : Biochemical and other studies on the liver in parasitic diseases.  
[ Phsl-61-4970. ]
- BHOLANATH MITRA : Histamine factor in pregnancy toxæmia. [ Phsl-62-4971. ]
- SUBALSAKHA MUKHOPADHYAY : Studies on experimental obesity. [ Phsl-64-4972. ]
- SUDHANSUKUMAR DAS : Studies with a treadmill of the factors influencing the efficiency of hill-climbing.  
[ Phsl-64-4973. ]
- SUJIT KUMAR CHAUDHURI : Study on magnesium metabolism in relation to arteriosclerosis. [ Phsl-65-4974. ]
- SM. REBA GHOSHAL : Function of Thyroid gland in diabetes and arteriosclerosis.  
[ Phsl-65-4975. ]
- BASUDEB DATTACHAUDHURI : Cardiovascular changes during and after hypercapnia.  
[ Phsl-65-4976. ]
- ARDHENDUSEKHAR CHAKRABARTY : Studies in metabolism of iron in normal and diseased condition with special reference to scurvy. [ Phsl-65-4977. ]
- SM. RENU GUPTA : Pulmonary Volimina and lung function test in pregnancy.  
[ Phsl-66-4978. ]
- NILABJANAYAN SARANGI : Effect of reticular formation stimulation and lesion on ACTH release and oxygen uptake of tissues in rats.  
[ Phsl-66-4979. ]
- RATHINDRANATH RAY : Changes in the blood and bone marrow after chloromycetin in the syphilitic patients.  
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- BIJAYKUMAR SENGUPTA : Studies on some aspects of arteriosclerosis in medico-legal post-mortem examination cases so as to evaluate the cause of sudden death.  
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- PARESHCHANDRA RAYCHAUDHURI : Studies on some aspects of histology and biochemistry of arteries in different ages with a view to evaluate the ageing process.  
[ Phsl-68-4982. ]
- PARAMESKUMAR KAR : The cytological and other changes in vaginal mucous membrane in oestrus and pregnancy.  
[ Phsl-68-4983. ]
- MADHUSUDAN DAS : Effects of temperature and leprosy on nerve conduction in man.  
[ Phsl-69-4984. ]
- RATHINDRANATH NAG : Biological cytological blood group and clinical studies in relation to ovulation and fertilisation in female. [ Phsl-69-4985. ]
- UMASANKAR SARKAR : Oxygen content and other peculiarities of erythrocytes and haemoglobin in haemoglobinopathies.  
[ Phsl-69-4986. ]
- ANIL KUMAR PAL : The mechanism of utilisation of sugar in animals exposed to different ambient temperatures.  
[ Phsl-70-4987. ]
- NAGENDRANATH RAYCHAUDHURI : Comparative physiological and biochemical studies in mother and new-born baby.  
[ Phsl-70-4988. ]
- ASOKKUMAR DAS : Haemodynamic studies in some hyperkinetic circulatory states.  
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- TARASANKAR CHANDRA : Role of thyroid on the iodinating enzymes of sub-maxillary gland. [ Phsl-71-4990. ]
- KUMUDKUMAR MAJUMDAR : Studies on red bone-marrow. [ Phsl-71-4991. ]
- MRINALKANTI CHATTOPADHYAY : Studies on some aspect of biochemical and physiological changes in psoriasis. [ Phsl-71-4992. ]
- NILMANI SAHA : Haematologic studies of Indian subjects with special reference to enzyme variations in various haemoglobin disorders. [ Phsl-72-4993. ]
- HRISHIKES JANA : Physiological aspects of hypnotic trance. [ Phsl-72-4994. ]
- SOBHENDRANATH GHOSH : Lipid pattern of brain and pituitary with reference to Atherosclerosis. [ Phsl-72-4995. ]
- SM. K. MADHAB KINI : Analysis of cardiovascular reflexes during experimental excitation. [ Phsl-73-4996. ]
- SM. UMARANI GHOSH : Comparative physiological and biochemical studies of salivary glands and papillae of the tongue in vertebrates. [ Phsl-73-4997. ]
- CHANDRASEKHAR MUKHOPADHYAY : Studies on gonadotrophic functions of Adenohypophysis. [ Phsl-74-4998. ]
- SM. MAYA MITRA : Neurological and biochemical studies of malnutrition in children of West Bengal. [ Phsl-74-4999. ]
- MANASKUMAR MUKHOPADHYAY : Studies on enzyme system in normal and abnormal conditions of skin. [ Phsl-74-5000. ]
- DILIPKUMAR RAYCHAUDHURI : Comparative cytological and histochemical studies of the anterior lobe of the pituitary gland under normal conditions and during stress. [ Phsl-74-5001. ]
- MANORANJAN GOSWAMI : Neurochemical studies of cerebral cortex with special reference to the actions of L. Sativus Toxins. [ Phsl-74-5002. ]
- NIRMALKUMAR CHATTOPADHYAY : Comparative studies on prostate gland in health and disease. [ Phsl-74-5003. ]
- SM. GAURI BHATTACHARYYA : Investigation of the bicarbonata content of blood plasma in cases of emphysema with or without right heart failure. [ Phsl-74-5004. ]
- PRASANTAKUMAR CHATTOPADHYAY : Studies on some Biochemical changes during and after anaesthesia. [ Phsl-74-5005. ]
- CHANDANKUMAR RAYCHAUDHURI : Analysis of lung function studies in emphysematous subjects with or without respiratory failure. [ Phsl-74-5006. ]
- MRINALKANTI DAS : Studies on Haematology, blood protein and serum enzymes in neonates and their mothers. [ Phsl-75-5007. ]
- SM. MANIDIPA MUKHOPADHYAY : Studies on the assay of serum gonadotrophin levels and action of gonadotrophin. [ Phsl-76-5008. ]
- RANAJIT KUMAR PAL : Amniotic fluid in the diagnosis of normal and abnormal pregnancy. [ Phsl-76-5009. ]
- BIMALKUMAR BASU : Studies on serum proteins alkaline phosphatases and transaminases in normal and abnormal pregnancy. [ Phsl-76-5010. ]
- AMARES GHOSHDASTIDAR : Histological and Histochemical studies of prostate gland and its relation with sex hormones. [ Phsl-76-5011. ]
- SM. CHHAYA BASU : Studies on certain aspects of uterine function. [ Phsl-77-5012. ]
- DHIRENDRAKANTA DAS : The scope of cytology and cytochemical studies for glycogen in the evaluation of the treatment of carcinoma of the cervix uteria. [ Phsl-77-5013. ]





- AMALKUMAR PODDAR : Experimental and clinical studies on male reproduction. [ Phsl-78-5014. ]
- GHANASYAM KUNDU : Studies on serum transaminases level in normal and abnormal pregnancy with special reference to pre-eclamptic toxæmia. [ Phsl-82-5015. ]
- ASIM BANDYOPADHYAY : A study of Biological dressing in burns with special reference to placental membranes. [ Plsu-82-5016. ]
- DHIRENDRANATH NANDI : Studies on the Biochemical and Haematological changes produced by electric convulsion therapy in patients suffering from mental disorder. [ Psmd-58-5017. ]
- ASIM KUMAR BASU : Cancer cervix stage 3 and its Radiological treatment. [ Radi-70-5018. ]
- SUBHASH BASU : Radiological study in Leprosy. [ Radi-71-5019. ]
- DINESHCHANDRA DE : Double contrast barium meal in Gastric lesions. [ Radi-74-5020. ]
- ARUN KUMAR SIL : Study on social aspects of pulmonary tuberculosis in the urban and rural population with special reference to contacts. [ Tubr-70-5021. ]
- (Doctor of Philosophy in Veterinary Science)**
- SIBAPADA GHOSH : Comparative gluconeogenesis in ruminant and non-ruminant mammals. [ Bioc-80-5022. ]
- HIRANMAY BHATTACHARYYA : Clostridium tetani in otogenic tetanus with particular reference to its toxigenicity and immune status in patients. [ Micr-76-5023. ]
- SISIRKUMAR DAS : Incidence of clostridium tetani in the excreta of domesticated animals and man and its geographical distribution in West Bengal with particular reference to chemical composition of the soil sample. [ Micr-78-5024. ]
- NARAYANCHANDRA NAG : Studies on serological types and phage patterns of staphylococci from cows and buffaloes. [ Micr-79-5025. ]
- NANDAKISOR DATTA : Studies on enterovirus with special reference to coxsackie virus, group B. [ Micr-79-5026. ]
- JAHARLAL GANGOPADHYAY : A study on incidence of tuberculosis in pigs and evaluation of tuberculin and passive haemagglutination tests for its detection. [ Micr-80-5027. ]
- ANUPAM CHATTOPADHYAY : Ringworm in domestic animals and their public health implication. [ Micr-80-5028. ]
- PRIYABRATA SARKAR : Efficacy of complement fixation test on the diagnosis of rabies and latest infection. [ Micr-80-5029. ]
- SASANKAKUMAR HALDAR : Studies on brucella antibodies in new-born calves and in adult cattle and the effects of brucellosis on reproductive performance in crossbreed and indigenous cattle in India. [ Micr-81-5030. ]
- ASIMKUMAR BHATTACHARYYA : Studies on the type distribution of foot and mouth disease virus in West Bengal in animals and the serological studies to determine the incidence of the infection in man and animals. [ Micr-82-5031. ]
- DIPAKKUMAR BASAK : Studies on the patho-biology of premature and mature amphistomes in cattle, buffalo and goat and their immunological response. [ Path-79-5032. ]
- SANTOSHKUMAR DEB : Some fundamental aspects of wound-healing in vitamin C deficiency : An experimental study, [ Path-80-5033. ]
- SANJIBKUMAR CHAUDHURI : Studies on neuromuscular effects of some tremorogenic agents from natural and synthetic sources. [ Phar-77-5034. ]



SAUMENDRANATH DAS : Studies on blood biochemical changes in dogs with insulin resistant diabetic condition.

[ Phar-78-5035. ]

ANIMESHKUMAR CHAKRABARTI : Role of  $\alpha$  (Alpha) and  $\beta$  (Beta) receptors in thermoregulation with special reference to precocial and altricial animals.

[ Phar-79-5036. ]

SANKARPRASAD BHATTACHARYYA : Utilisa-

tion of industrial waste (Biscuit factory) in the replacement of cereals in poultry feed.

[ Phsl-79-5037. ]

BIRENDRANATH RAY : A possible role of siatic acid in reproduction in male animals.

[ Phsl-80-5038. ]

MUKULKUMAR DESARKAR : A possible role of siatic acid in female mammalian reproduction in relation to the different ambient temperature.

[ Phsl-82-5039. ]